

NON-CONFIDENTIAL

Volume I – ai – A440

2013-1084

UNITED STATES COURT OF APPEALS FOR THE FEDERAL CIRCUIT

CENTILLION DATA SYSTEMS, LLC,

Plaintiff-Appellant,

v.

QWEST COMMUNICATIONS INTERNATIONAL, INC.,

QWEST CORPORATION,

and QWEST COMMUNICATIONS CORPORATION,

Defendants-Cross Appellants.

Appeals from the United States District Court for the
Southern District of Indiana in consolidated case nos.
04-CV-0073 and 04-CV-2076, Chief Judge Larry J. McKinney

NON-CONFIDENTIAL JOINT APPENDIX

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CONFIDENTIAL MATERIAL OMITTED

The material omitted from this appendix describes technical or proprietary information, and/or cites a document or deposition testimony designated by Qwest as either "CONFIDENTIAL," "ATTORNEY CONFIDENTIAL," or "ATTORNEY'S EYES ONLY" or describes technical or proprietary information and/or cites a document or deposition testimony designated by third party Verizon as either "CONFIDENTIAL," or "VZ CONFIDENTIAL."

IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION

CENTILLION DATA SYSTEMS, LLC

Plaintiff,

v.

BELLSOUTH CORPORATION,
CITIZENS COMMUNICATIONS COMPANY,
CONVERGYS CORPORATION, QWEST
COMMUNICATIONS INTERNATIONAL, INC.,
QWEST CORPORATION, TELEPHONE DATA
SYSTEMS, INC., and TRAQ-WIRELESS, INC.

Defendants.

Civil Action No. 1:04-CV-0073 LJM-WTL

PROTECTIVE ORDER

Pursuant to Rule 26(c) of the Federal Rules of Civil Procedure, all discovery and other materials exchanged by the parties or filed with the Court in the above-captioned action shall be provided subject to the following conditions:

1. Any party or non-party may designate as "CONFIDENTIAL" or "ATTORNEY CONFIDENTIAL" all or any part of any discovery and other materials exchanged by the parties or filed with the Court, including without limitation, documents and things, pleadings, motions, interrogatory answers, answers to deposition questions, and responses to

requests for admission, which contain sensitive and/or proprietary financial, patent, trademark, copyright, trade secret, marketing, customer, research, or product development information, or any other document or thing containing other information of such a nature as to be protectable under Rule 26(c)(7) of the Federal Rules of Civil Procedure. Except as set forth in paragraph 7, such designations shall be made by stamping the document "CONFIDENTIAL" or "ATTORNEY CONFIDENTIAL" or similar designation and shall be as specific as the context of the information reasonably permits so as not to include non-confidential information. All such designated discovery and other materials are referred to herein as "Confidential Material." Notwithstanding such designation, Confidential Material does not include information obtained independently as to which no obligation of confidentiality applies.

2. The ATTORNEY CONFIDENTIAL designation shall be limited to Confidential Material that is technical, commercial, financial or marketing in nature and that the Disclosing Party reasonably and in good faith believes is so highly sensitive that its disclosure to an employee of a Receiving Party would reveal significant business or financial advantages of the Disclosing Party. It includes, without limitation, information that the designating party reasonably and in good faith believes relates to (1) current business/strategic plans, (2) technical product specifications and information, (3) sales, cost and price information including future sales/financial projections, (4) non-public marketing information including future marketing plans, (5) detailed sales and financial data, (6) customer lists, or (7) other

information of competitive, technical, financial, or commercial significance comparable to the items listed in this paragraph.

3. Confidential Material shall be revealed only to Qualified Persons (defined in paragraph 4 below), their clerical, support and secretarial staffs, paralegals, and assistants and used only for purposes of this litigation including preparation and trial of this action and any dispute resolution process. Confidential Material shall not be used for any other purpose including, without limitation, preparation or prosecution of any patent application.
4. Confidential Material may be disclosed only to the following Qualified Persons:
 - (A) For Confidential Material designated either CONFIDENTIAL or ATTORNEY CONFIDENTIAL:
 - (i) Outside counsel of record in Case No. 1:04-CV-0073 LJM-WTL and their members and associate attorneys (collectively, "Outside Counsel"), and in-house counsel for each party; except that no Confidential Material designated either CONFIDENTIAL or ATTORNEY CONFIDENTIAL by a defendant shall be disclosed to any of the other defendants.
 - (ii) Subject to paragraph 5 below, experts and third party technical service contractors who are not present employees of any party, or of any predecessor, parent or related company of any party, who are requested by

Outside Counsel of the receiving party to furnish technical or expert services in connection with this litigation.

- (iii) Third party contractors involved solely in providing litigation support services to Outside Counsel.
- (iv) The Court and its personnel, including jurors.
- (v) An officer before whom a deposition is taken, including any stenographic reporter or videographer.
- (vi) Any other person agreed to by the parties or allowed by the Court.

(B) For Confidential Material designated CONFIDENTIAL:

- (i) Centillion Data Systems, LLC:

John Cauffman;

- (ii) Convergys Corporation:

[To be determined. Notice of the person identified will be provided to all parties by the defendant.];

- (iii) Qwest Communications International, Inc:

[To be determined. Notice of the person identified will be provided to all parties by the defendant.];

- (iv) Qwest Corporation;

[To be determined. Notice of the person identified will be provided to all parties by the defendant.];

5. Before any disclosure of Confidential Material of the producing party is made to an individual pursuant to paragraphs 4(A)(ii) or (vi), Outside Counsel for the receiving party

shall: notify counsel for the producing party in writing, at least ten (10) business days before any such disclosure is made, of the identity of each such person. If the receiving party intends to disclose any Confidential Material pursuant to paragraph 4(A)(ii), the receiving party shall include such person's curriculum vitae with its notification to the producing party. If the producing party objects to such disclosure, it shall notify the receiving party intending to disclose the Confidential Material in writing of its objection(s) prior to the date on which the disclosure is intended to be made. Should the party intending to make the disclosure disagree with the basis of the objection(s), the parties must first attempt to resolve the objection(s) informally. If the informal efforts do not resolve the dispute within five (5) days, the party intending to disclose may file a motion requesting that the objection(s) be quashed after that five (5) day period has passed. The party intending to disclose shall have the burden of proof by a preponderance of the evidence on the issue of the sufficiency vel non of the objection(s). Pending a ruling by the Court upon such objection(s), the Confidential Material shall not be disclosed to any person objected to by such producing party.

Thereafter, before any disclosure of Confidential Material of the producing party is made to an individual pursuant to paragraphs 4(A)(ii), (vi), and 4(B), Outside Counsel for the receiving party shall: provide the individual with a copy of this Order; explain its terms; and obtain the individual's written agreement, in the form of Attachment A hereto, to comply with and be bound by its terms. Copies of all written commitments in the form of Attachment A shall be provided to the producing party upon request.

6. Confidential Material may be disclosed to a witness at a deposition (a) if the witness is an officer, director, or employee of the party who produced such Confidential Material, (b) if the witness was formerly an officer, director, or employee of the party who produced such Confidential Material, and the Confidential Material related to the period of his or her service or employment, or (c) if the witness was copied on such Confidential Material.

7. Each transcript of any deposition shall be treated as CONFIDENTIAL or ATTORNEY CONFIDENTIAL in part or in its entirety if notice is given on the record at any time during the deposition or within a period of fifteen (15) days after such transcript is actually received by Outside Counsel for each of the parties. Within that fifteen (15) day period, however, any party may designate different categories for the transcript. It shall do so by notifying all parties, in writing, of specific pages and lines of the transcript to be either CONFIDENTIAL or ATTORNEY CONFIDENTIAL or Non-Confidential. Each party shall attach a copy of such written statement to the face of the transcript and each copy thereof in its possession, custody, or control. In the event of designations of different categories for the same text by different parties, the parties will confer to reach agreement on the appropriate category. Until the issue is resolved, the designated material shall be treated as the highest category of protected material designated by anyone. If no designation is given by any party, the material shall not be treated as Confidential Material. Persons to whom Confidential Material may be disclosed under paragraph 4(B) may attend any deposition, except during testimony which the producing party considers ATTORNEY CONFIDENTIAL.

8. Nothing in this Order shall bar or otherwise restrict any counsel herein from rendering legal advice to his or her client with respect to this litigation and, in the course thereof, relying upon his or her examination of Confidential Material; provided, however, that in rendering such advice and in otherwise communicating with his or her client, such person shall not make any disclosure of Confidential Material to any person not entitled to have access to it.
9. (A) The good faith designation by counsel of Confidential Material shall, without further proof, entitle such material to the protection of this Protective Order. If such designation is questioned by any other party, then this Protective Order shall be without prejudice to the right of either party to bring before the Court the question of whether same is or is not of a confidential nature.

(B) Inadvertent disclosure of Confidential Material, without identifying the same as confidential, shall not be deemed a waiver of confidentiality with regard to similar or related information nor shall it be deemed a waiver of confidentiality with regard to the information inadvertently disclosed, if called to the attention of counsel for the receiving party promptly.
10. (A) All material filed with a court, which has previously been designated by a party as comprising or containing Confidential Material, shall be endorsed with the caption of the litigation; the words "CONFIDENTIAL MATERIAL" and "RESTRICTED ACCESS ACCORDING TO COURT ORDER" as an indication of the nature of the contents; and a statement in substantially the following form:

“This envelope, containing documents which are filed in this case by (name of party), is not to be opened nor are the contents thereof to be displayed or revealed except by order of the Court or consent of the parties.”

- (B) Any party that electronically files any paper that reflects, contains or includes any information or document subject to this Protective Order shall take the necessary actions to ensure that the paper is filed and kept by the Court under seal.
- (C) The Clerk of this Court is directed to maintain under seal all material filed in this Court in this litigation which have been marked or designated, in whole or in part, “Confidential Material” in accordance with paragraph 10(A) of this Order.
- (D) Copies of any Confidential Material filed with the court prior to trial or received in evidence at trial of this action, and any other materials falling within the terms of this Order which are so designated at trial or at time of filing, shall be kept by the Clerk of the Court, until further order of the Court. Where possible only those portions of documents consisting of Confidential Material shall be filed in sealed envelopes.

11. If the receiving party disagrees with the confidential status of any document or other material, the receiving party may, after conferring in good faith with the designating party,

make a request of the Court for an order removing it from the restrictions of this Protective Order.

12. In the event that a party seeks discovery from a non-party to this suit, the non-party may invoke the terms of this Protective Order on Confidentiality with respect to any Confidential Material provided to the parties by the non-party by so advising all parties to this suit in writing.
13. Within sixty (60) days of termination of this litigation, including any and all appeals therefrom, attorneys for the receiving party shall destroy all Confidential Material received hereunder. All copies of Confidential Material received by others hereunder shall also be destroyed. Notwithstanding the foregoing, Outside Counsel for the receiving party may retain a copy of Confidential Material of a producing party, to the extent reflected or contained in such Outside Counsel's work product or in materials filed with the Court.
14. Prompt written notice shall be given to any party who produced Confidential Material hereunder, in the event that party's Confidential Material is sought by any person not a party to this litigation, by subpoena in another action or by service with any legal process. Any person seeking such Confidential Material who takes action to enforce such subpoena or other legal process shall be apprised of this Protective Order. Nothing herein shall be construed as requiring anyone covered by this Protective Order to contest a subpoena or other process, to appeal any order requiring production of Confidential Material covered by

this Protective Order or to subject itself to penalties for non-compliance with any legal process or order.

15. In the event that Confidential Material designated by the producing party in accordance with paragraph 1, above, is disclosed by the receiving party to any person other than the Qualified Persons defined in paragraph 4, above, or is disclosed in any manner or for any purpose inconsistent with the terms of this Order, the party responsible for the disclosure, within ten (10) days of Outside Counsel's awareness of such disclosure, must bring all pertinent facts relating to such disclosure to the attention of Outside Counsel for the producing party and without prejudice to the rights and remedies of the producing party, make every reasonable effort to prevent further disclosure of it and prevent further disclosure by each person who was the eventual recipient of the Confidential Material.
16. Inadvertent production of documents or information subject to the attorney-client privilege or work-product immunity shall not constitute a waiver of such privilege. After receiving notice from the producing party that documents or information subject to the attorney-client privilege or work-product immunity have been inadvertently produced, the receiving party shall not review, copy, or disseminate such documents or information. The receiving party shall return such documents or information to the producing party immediately.
17. The foregoing is without prejudice to the right of any party to apply to the Court for further protection or disclosure relating to discovery.

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18. Nothing in this Protective Order shall prejudice the right of any party to oppose production of any information for lack of relevance, privilege, or any ground other than confidentiality.
19. Confidential documents produced by the parties prior to entry of this Protective Order shall be considered *nunc pro tunc* to have been produced pursuant to the terms of this Protective Order.
20. Nothing in this protective order shall in any way restrict any party's ability to present any evidence at any conference, hearing, proceedings or trial in this action, no matter how such evidence may have been designated.

Dated: December 9, 2004

s/ Leonard D. Steinman

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APPROVED and so ordered this 9th day of December, 2004.

William T. Lawrence

Hon. William T. Lawrence, Magistrate Judge
United States District Court
Southern District of Indiana

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United States Patent [19]
Hardy et al.

[11] Patent Number: 5,287,270
[45] Date of Patent: Feb. 15, 1994

[54] BILLING SYSTEM

[75] Inventors: Robert M. Hardy, Carmel; John M. Cauffman; Lynn S. Cauffman, both of Indianapolis; Robert C. Lovell, Jr., Greenwood; Murray B. Frazier, Indianapolis; Michael L. Johnson, Indianapolis; James W. Dohrenwend, Jr., Indianapolis, all of Ind.

[73] Assignee: Compucom Communications Corp., Indianapolis, Ind.

[21] Appl. No.: 984,374

[22] Filed: Dec. 2, 1992

Related U.S. Application Data

[63] Continuation of Ser. No. 393,699, Aug. 14, 1989.

[51] Int. Cl.⁵ G06F 15/20; G06G 7/52

[52] U.S. Cl. 364/408; 364/467;
364/464.01

[58] Field of Search 364/401, 406, 408, 464.01,
364/467, 464.03; 902/24; 395/650; 379/90-109,
111

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Primary Examiner—Roy N. Envall, Jr.

Assistant Examiner—Laura Brutman

Attorney, Agent, or Firm—Jones, Day, Reavis & Pogue

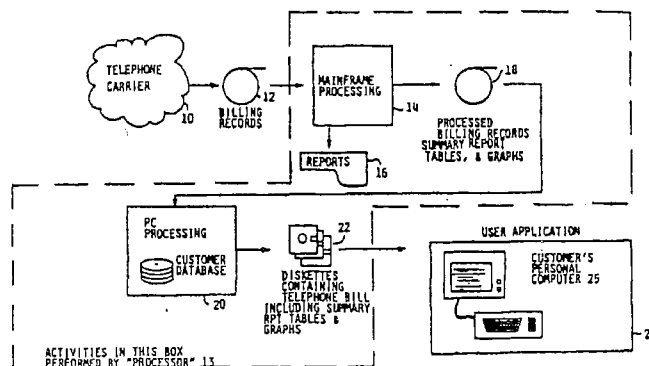
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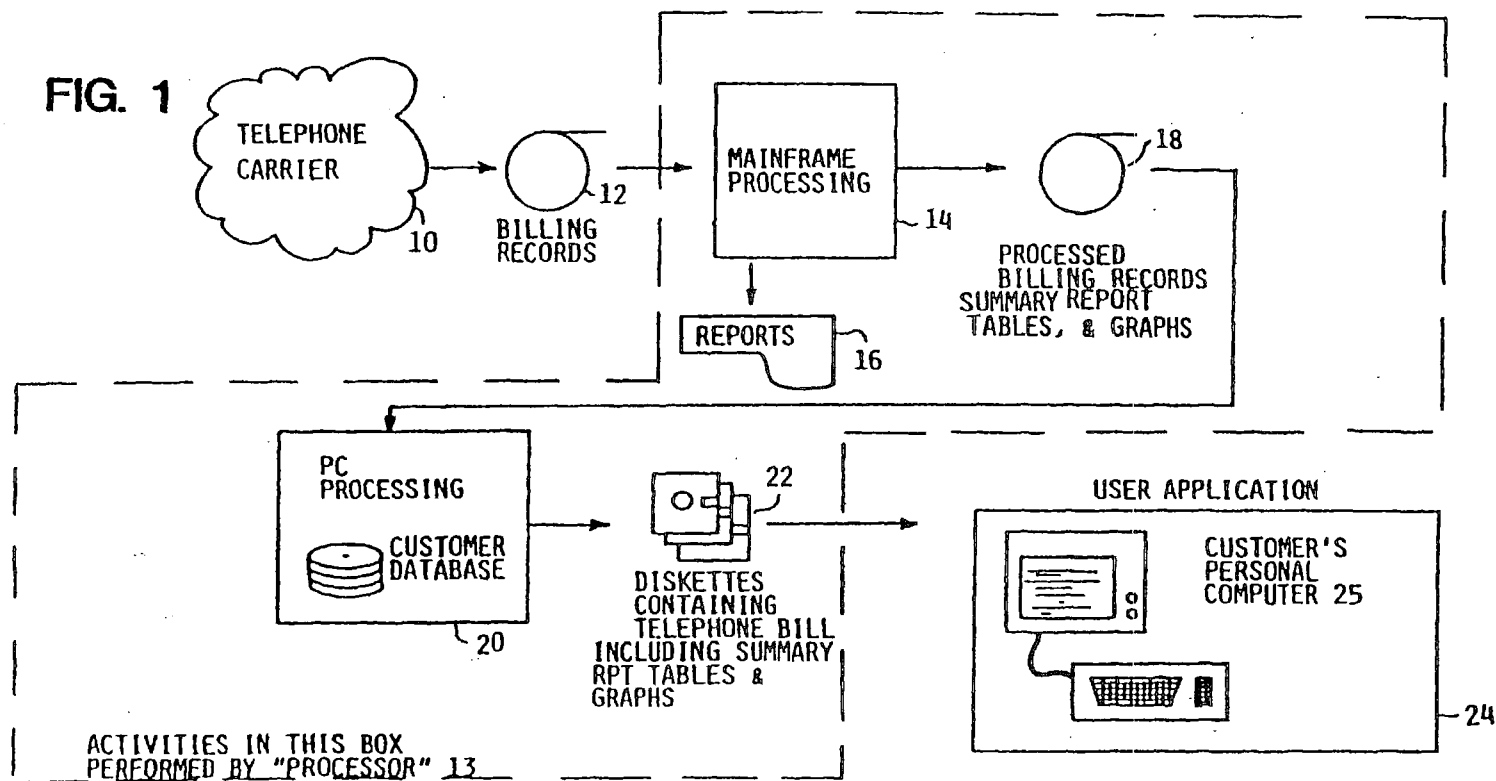
ABSTRACT

Telecommunications or similar bills are prepared on diskette in an optimal format for further processing, display, and analysis on popularly-available, inexpensive personal computers. A telecommunications carrier provides, for participating customers, appropriately selected billing records at the stage in the carrier's ordinary billing process after the carrier has completed all billing activities except actually printing a paper bill. This ensures that the information ultimately supplied on diskette will exactly correspond to that on the paper bill. In a first step, preferably performed on a large computer, the records are sorted, edited and reformatted into an optimal organization for further processing on a personal computer. In addition, a variety of preprocessed summary reports and graphs are prepared for rapid retrieval on the customer's computer. In a second step, preferably performed on a network of smaller computers, the reorganized records and summary reports for each customer are separated, compressed, and recorded on diskettes compatible with each customer's personal computer. A user application program on the customer's computer displays and analyzes the billing information supplied on diskette, including the billing records, preprocessed summary reports and graphs, and prepares new summary reports on demand.

85 Claims, 52 Drawing Sheets

Microfiche Appendix Included
(5 Microfiche, 454 Pages)





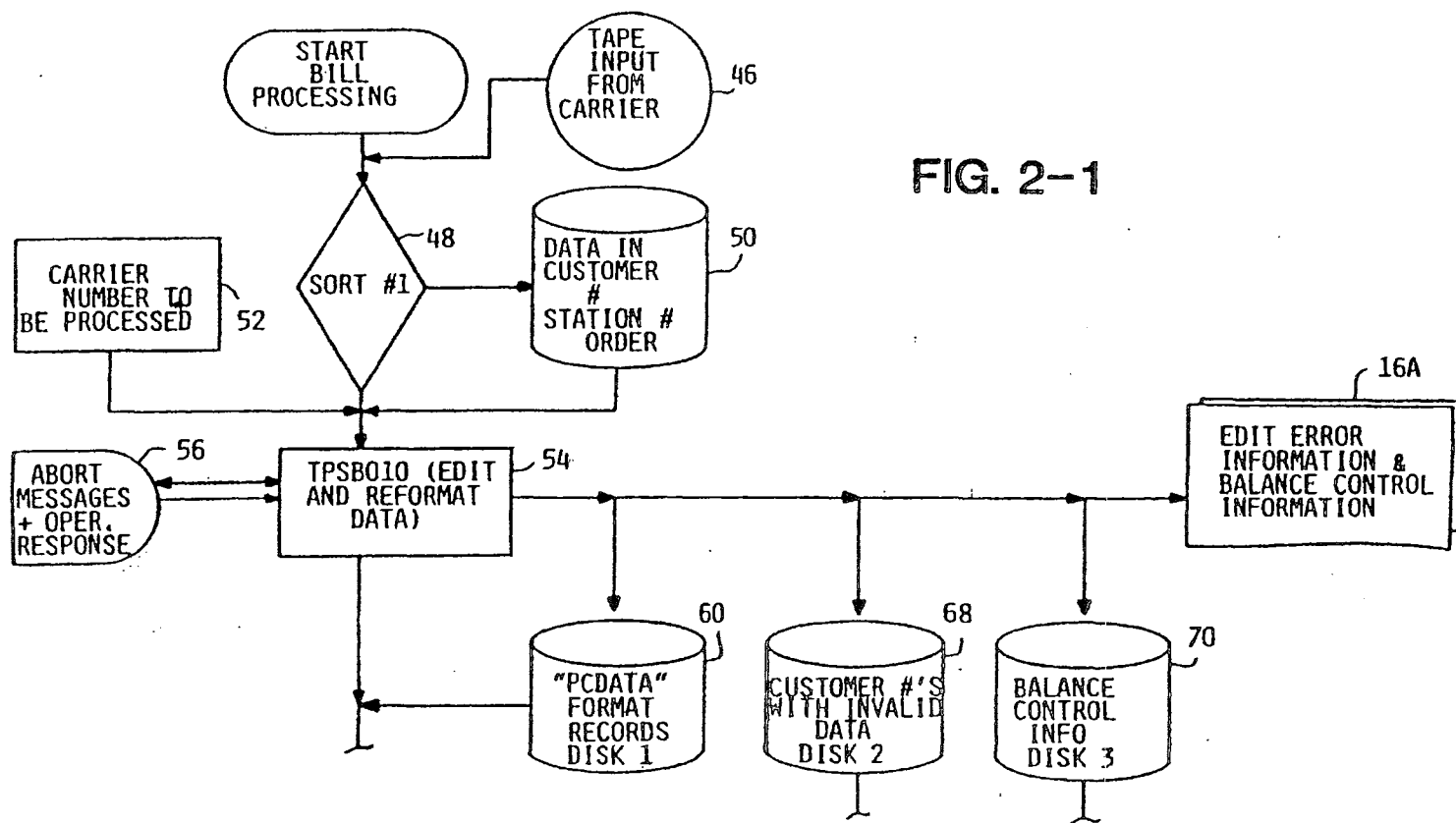
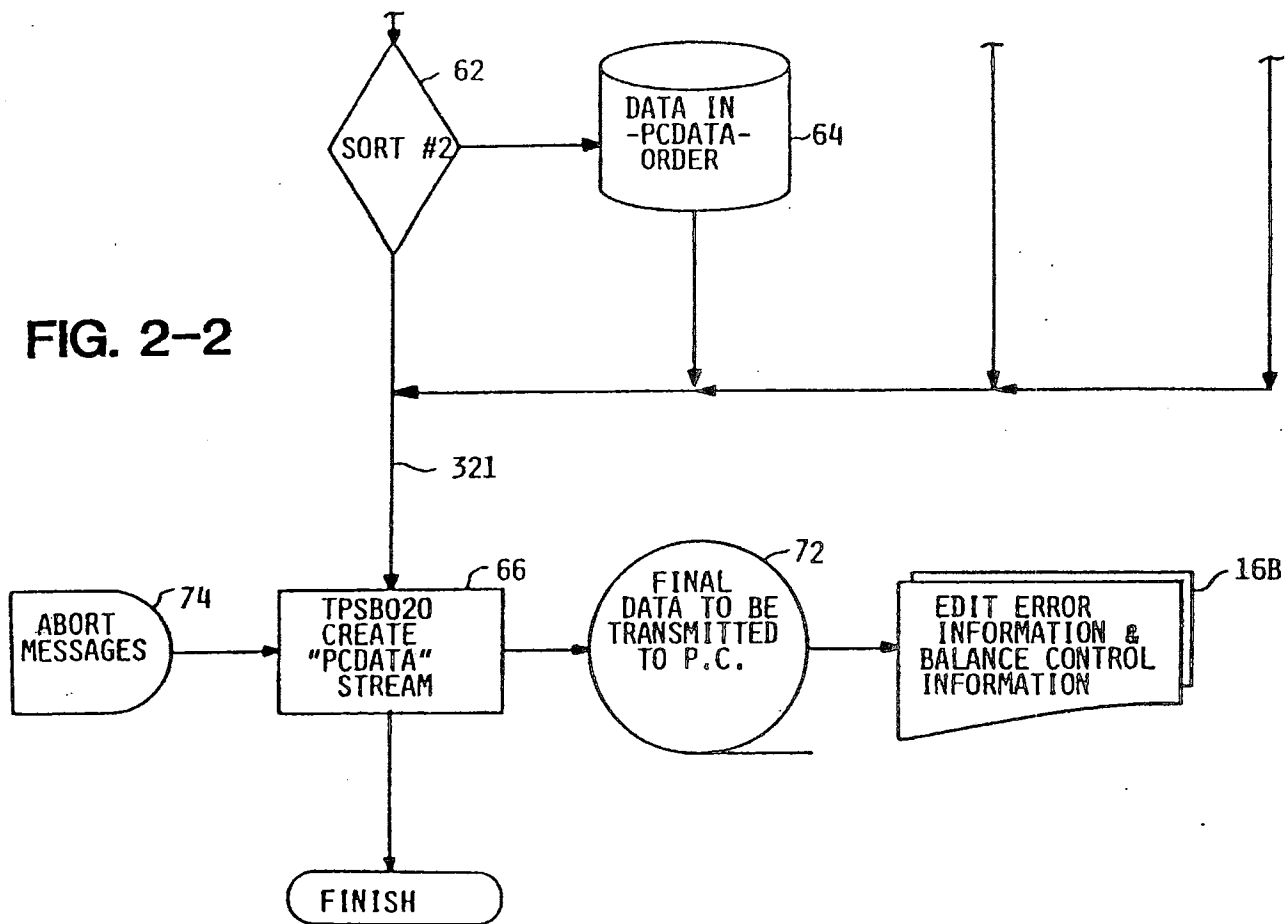
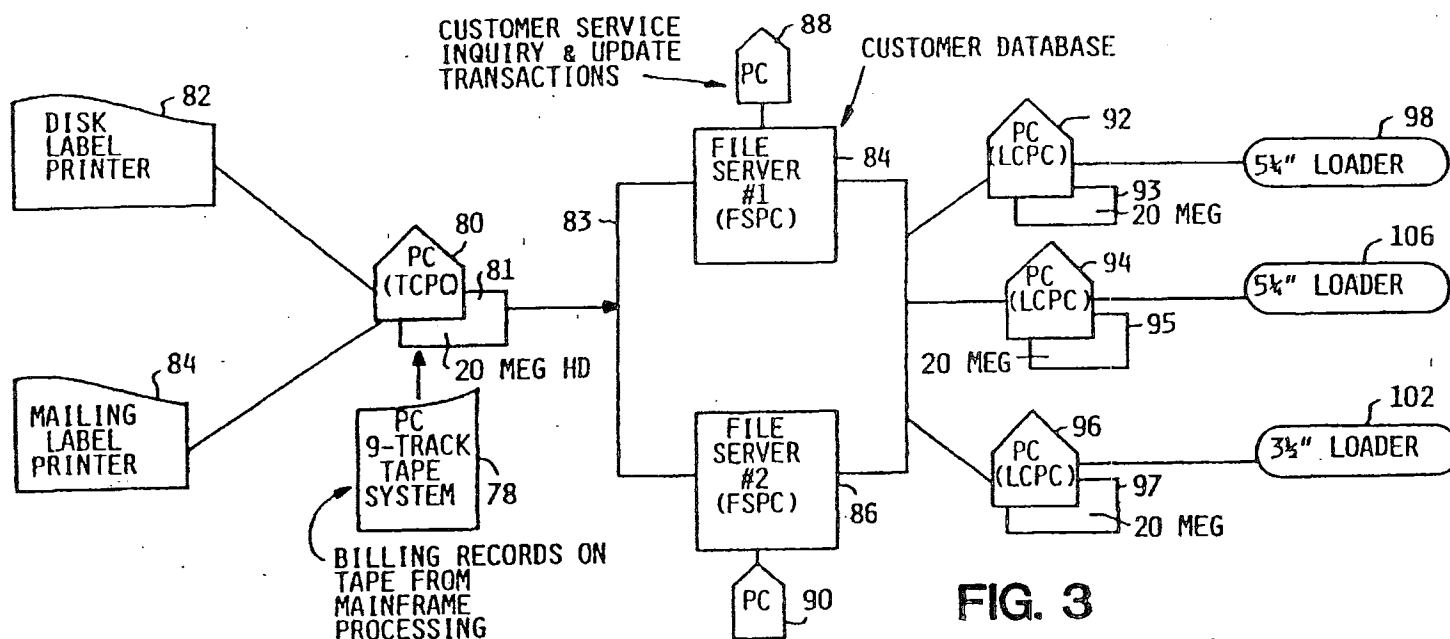


FIG. 2-2





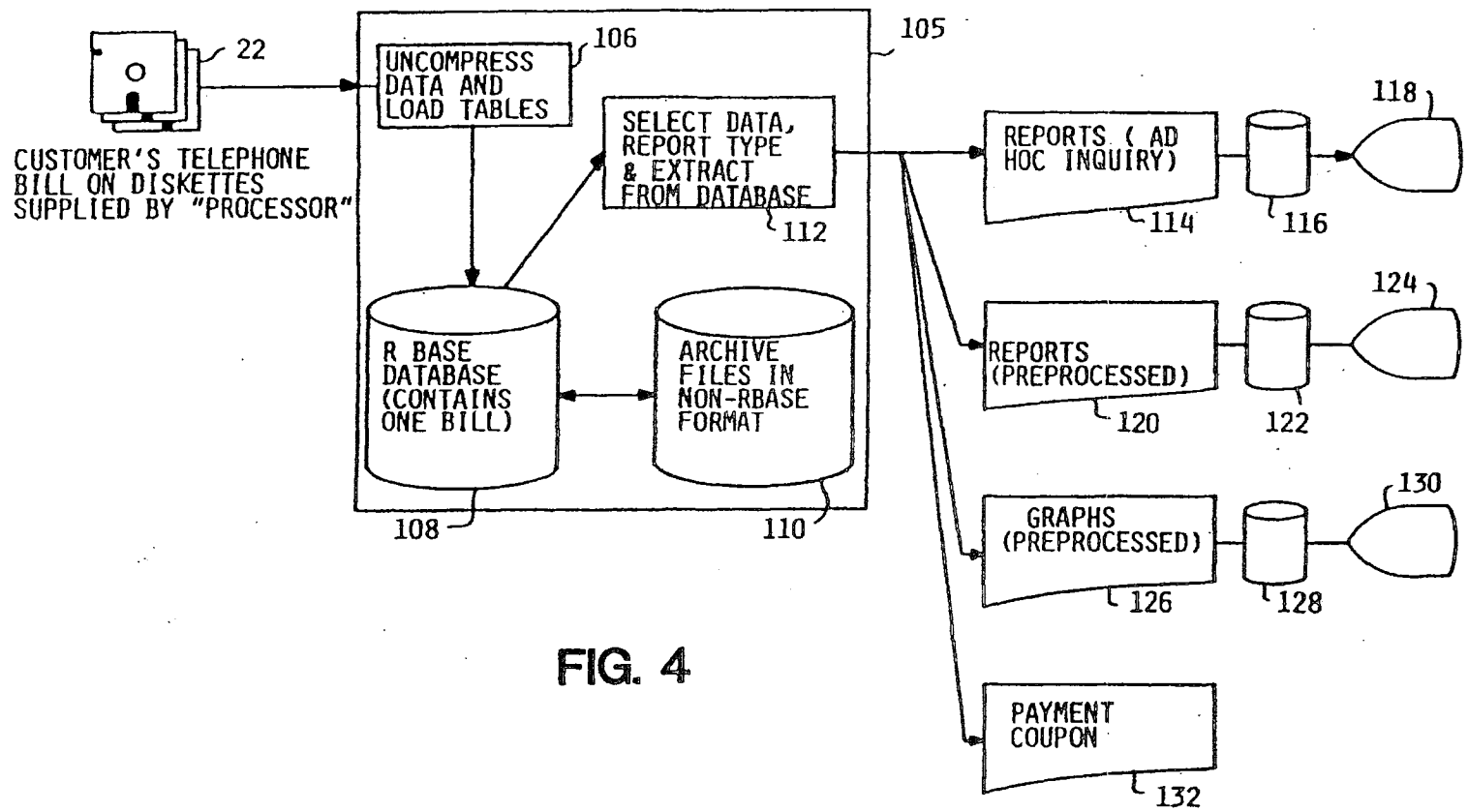


FIG. 4

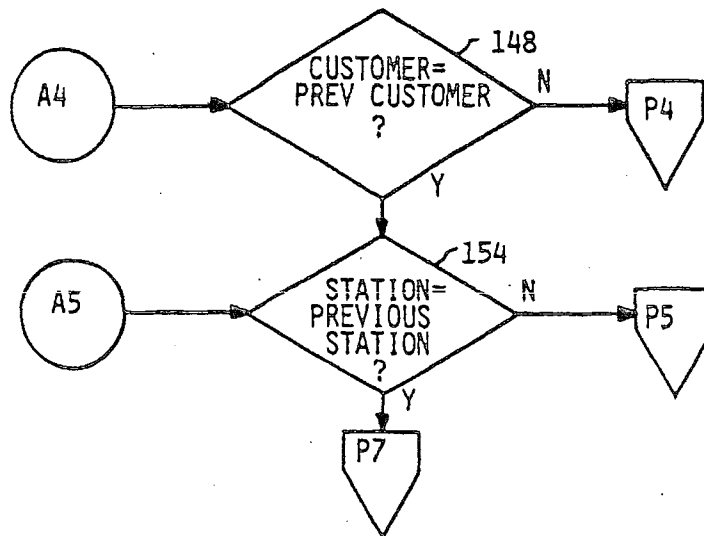


FIG. 5

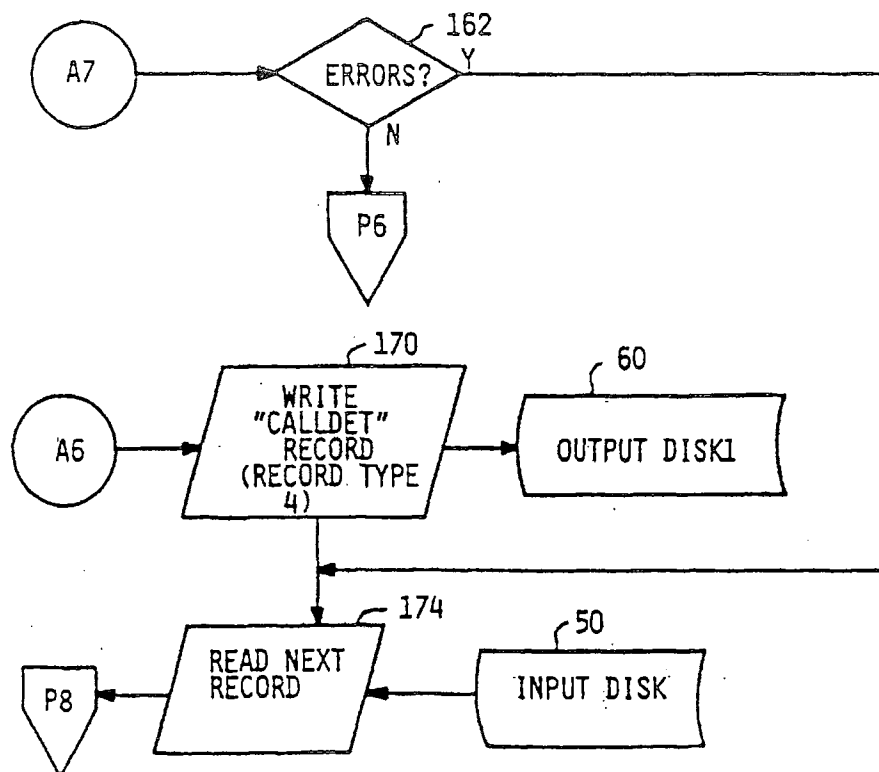
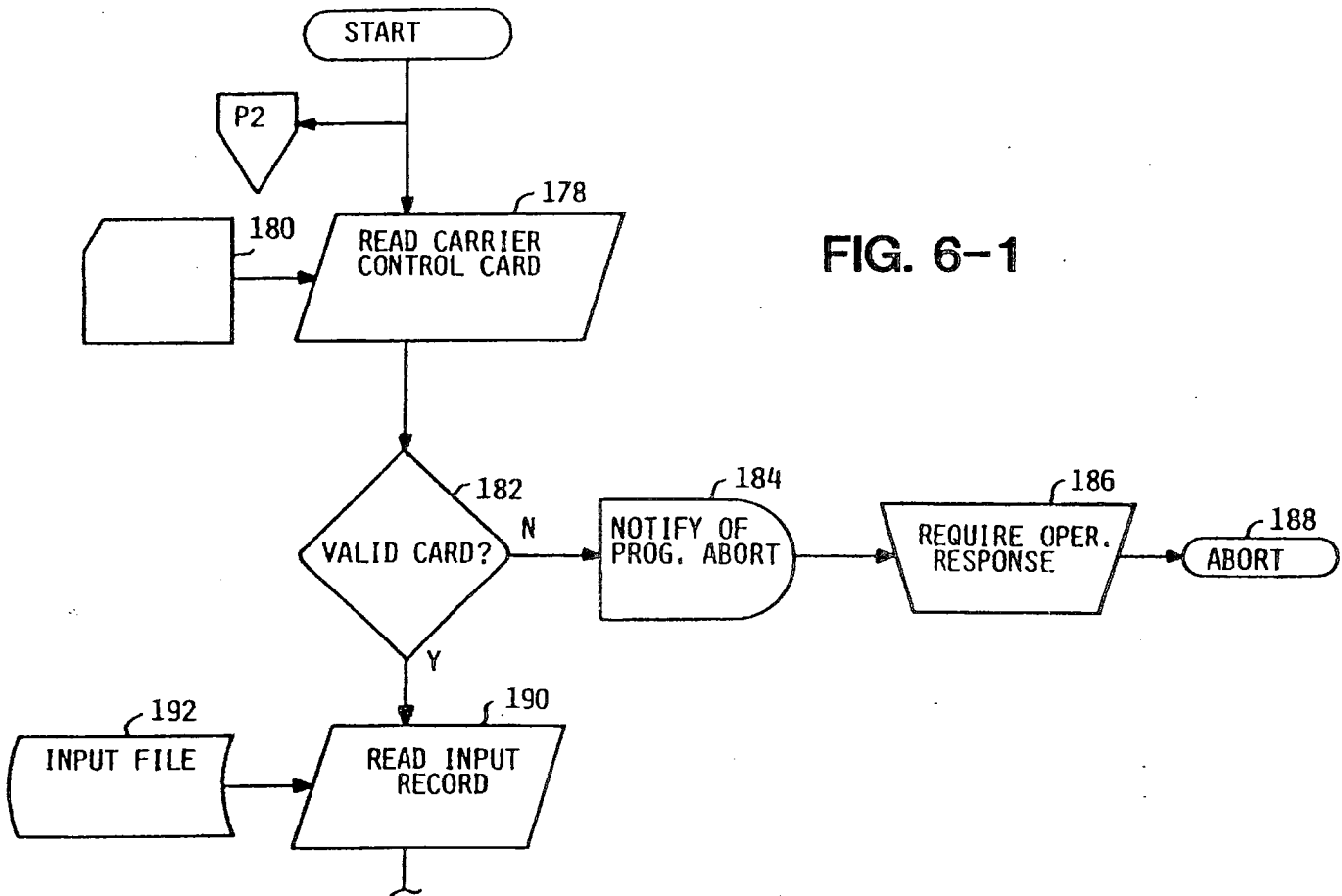


FIG. 6-1



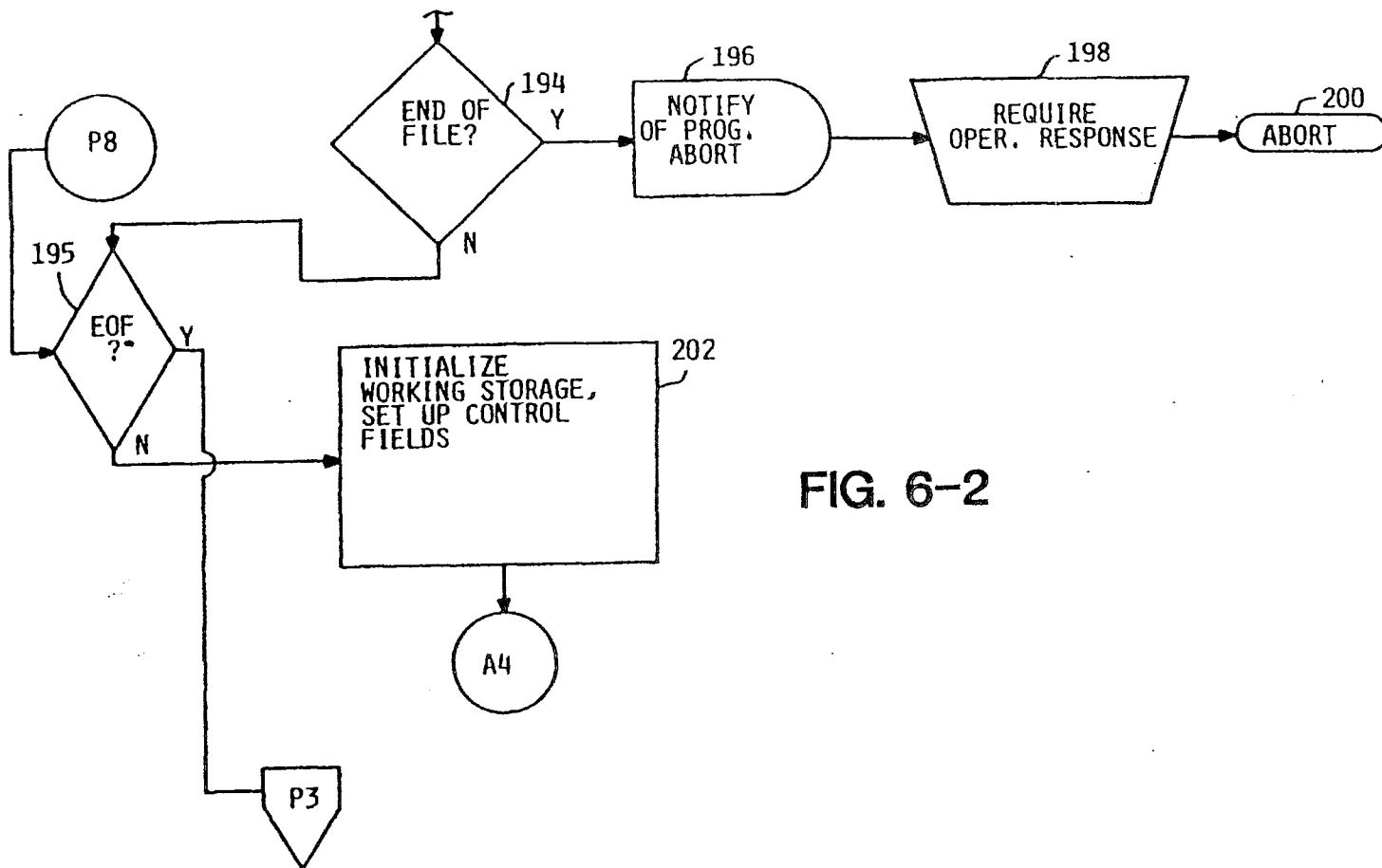
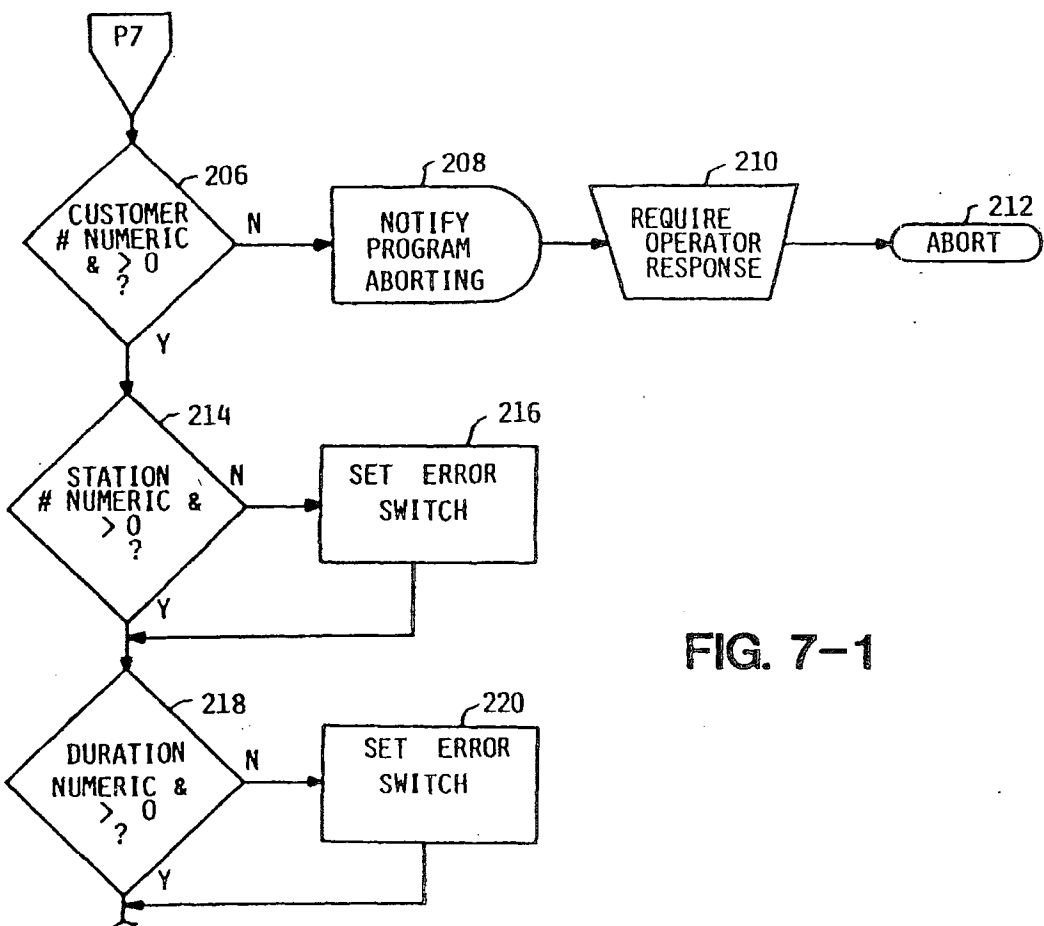


FIG. 6-2



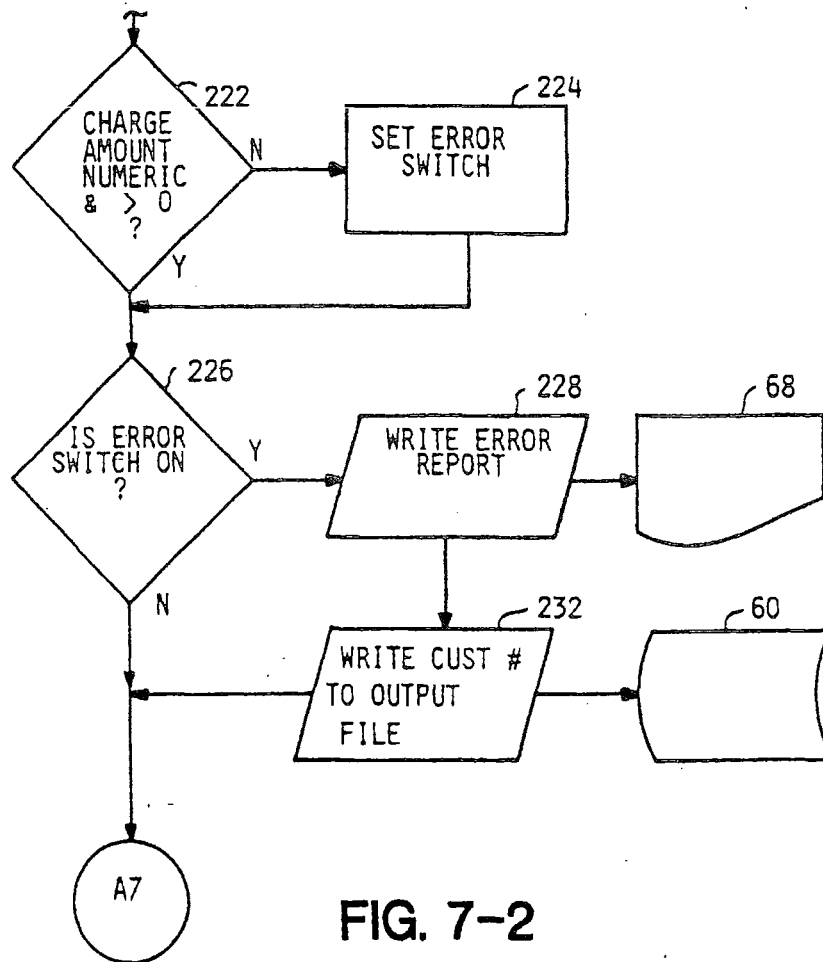


FIG. 7-2

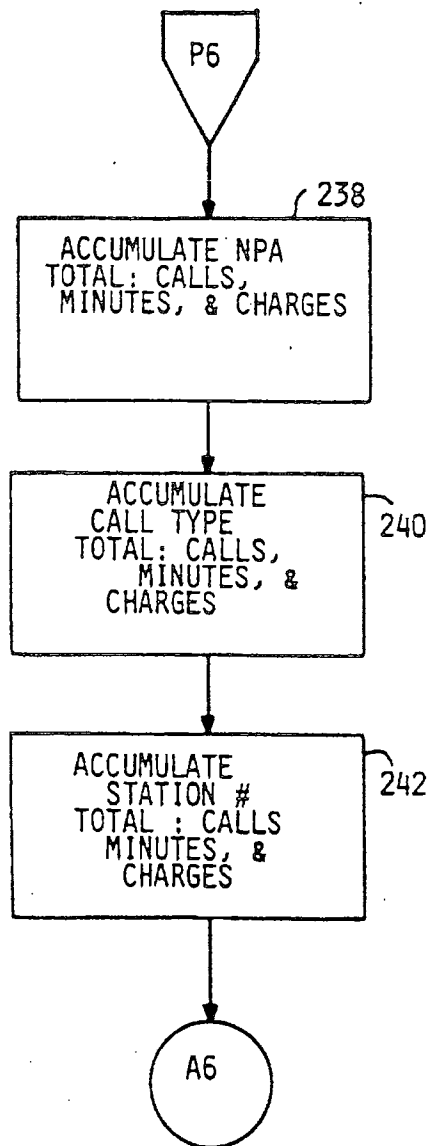


FIG. 8

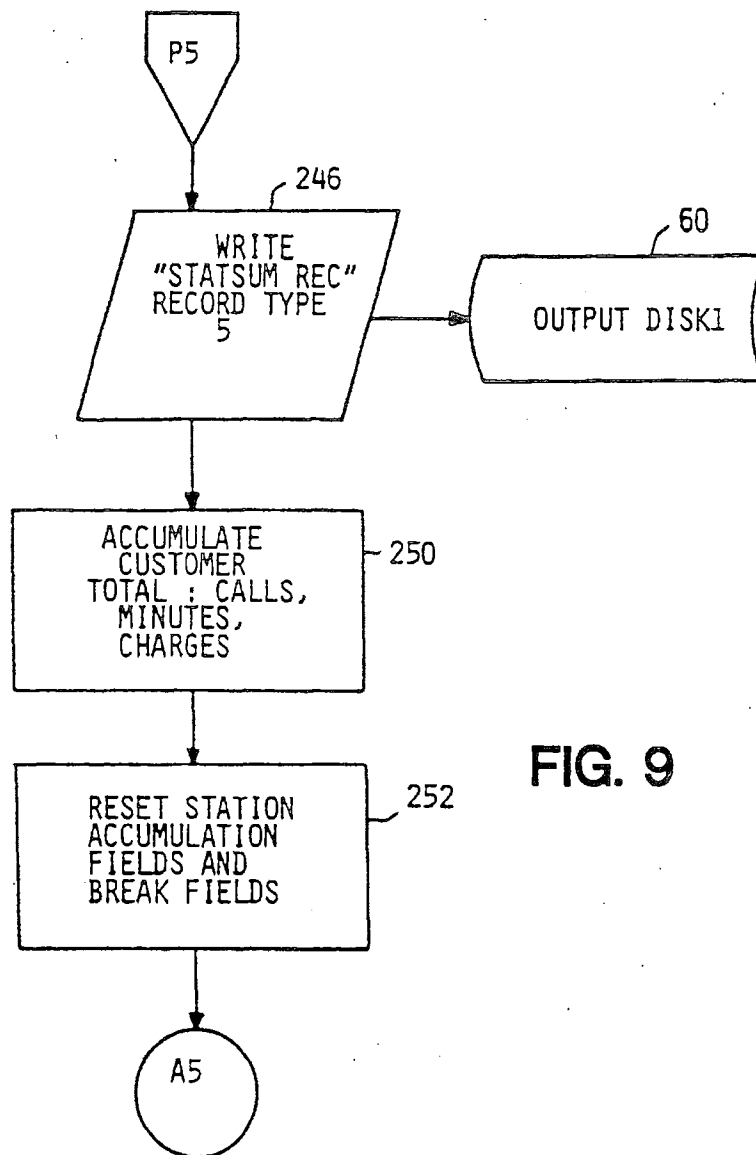


FIG. 9

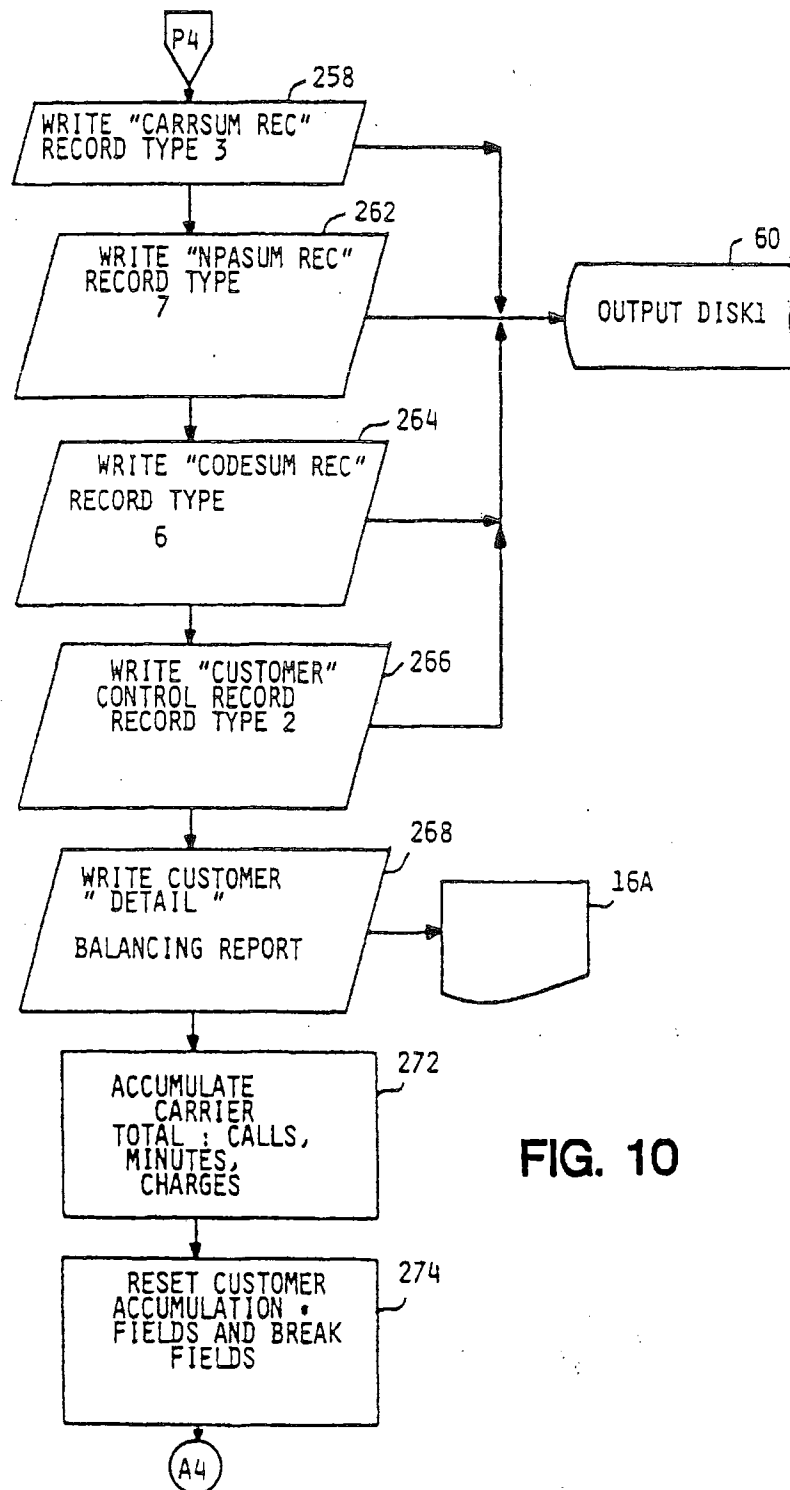


FIG. 10

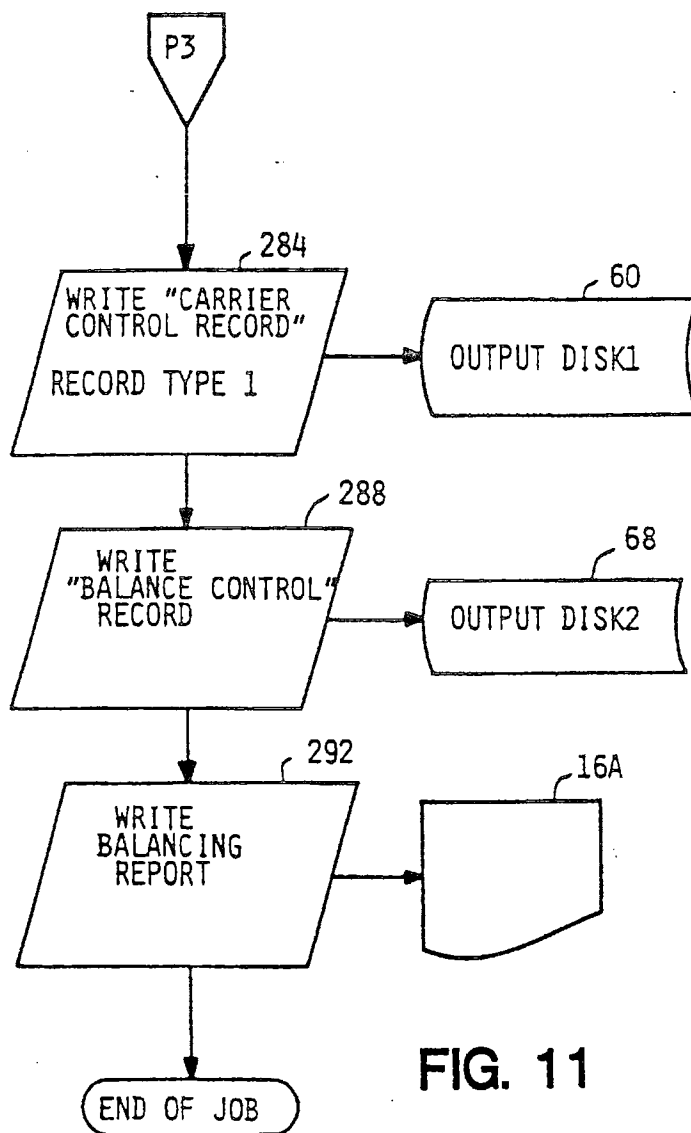
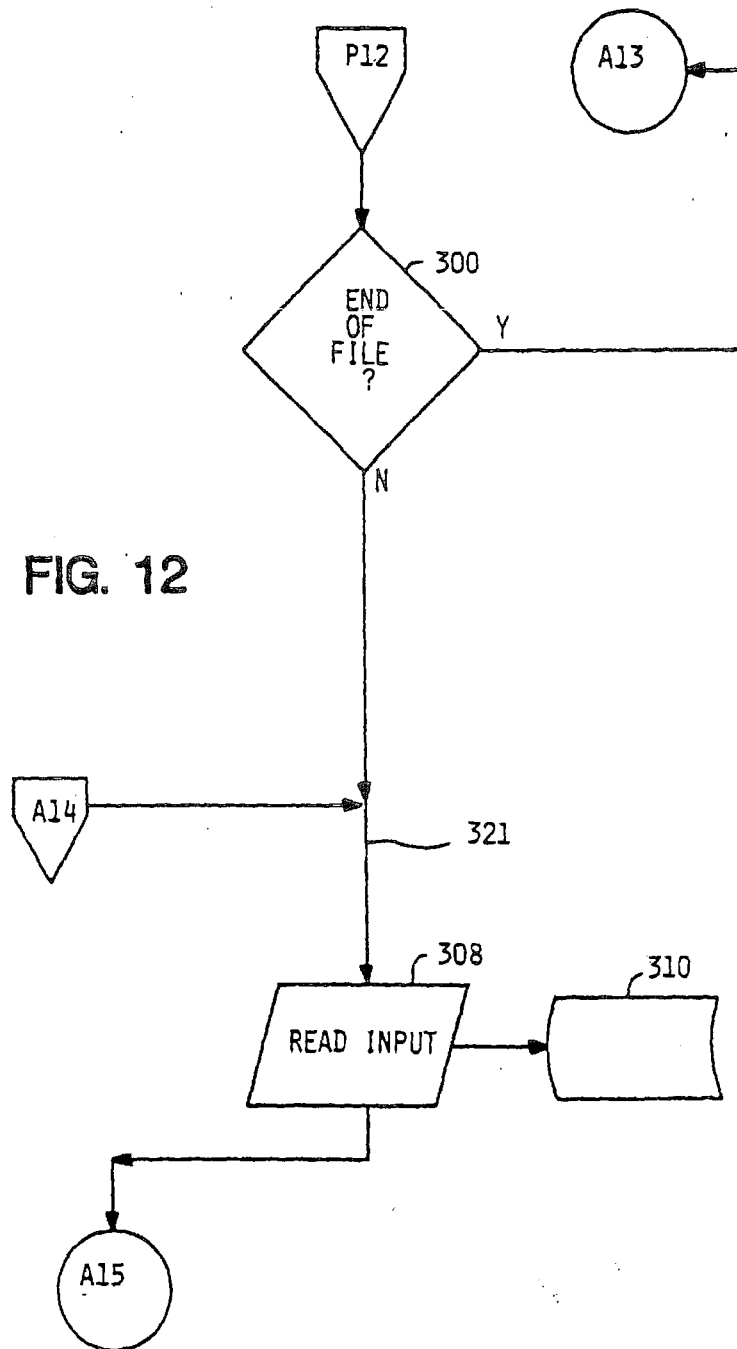


FIG. 12



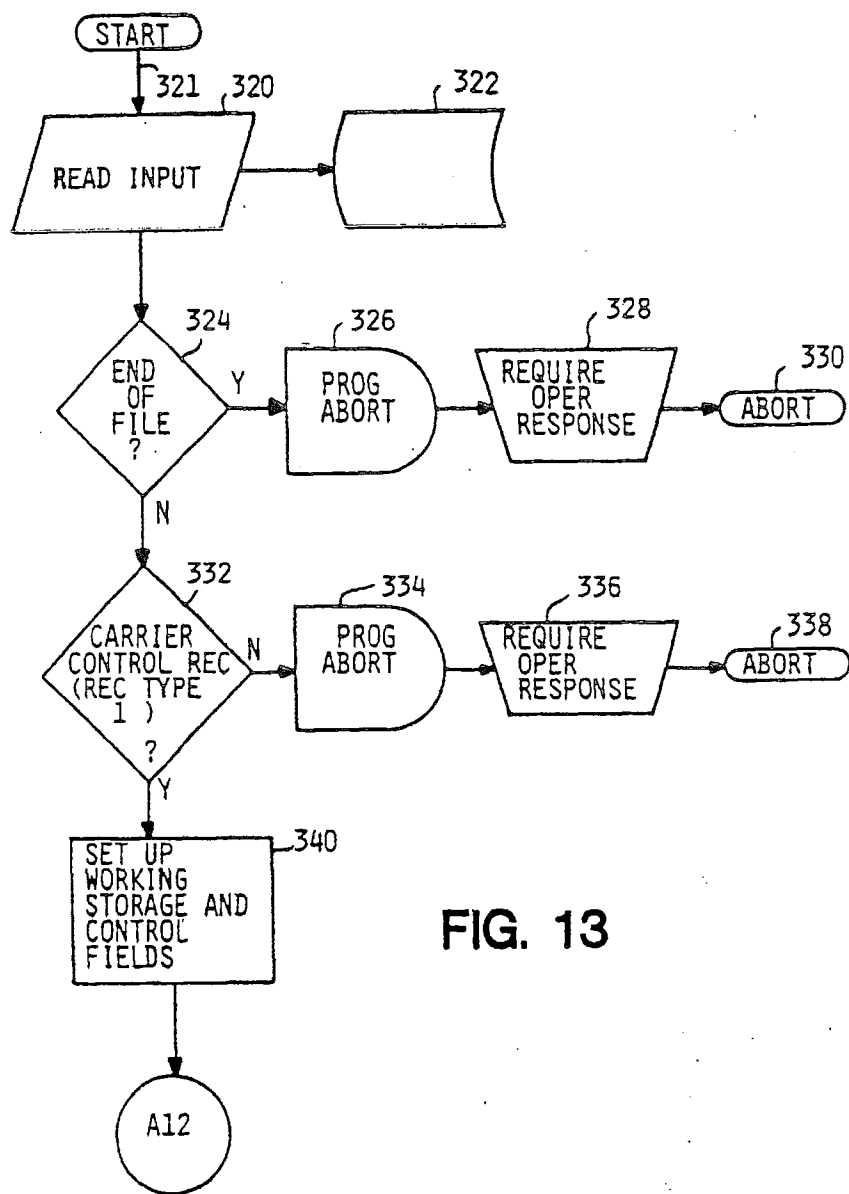


FIG. 13

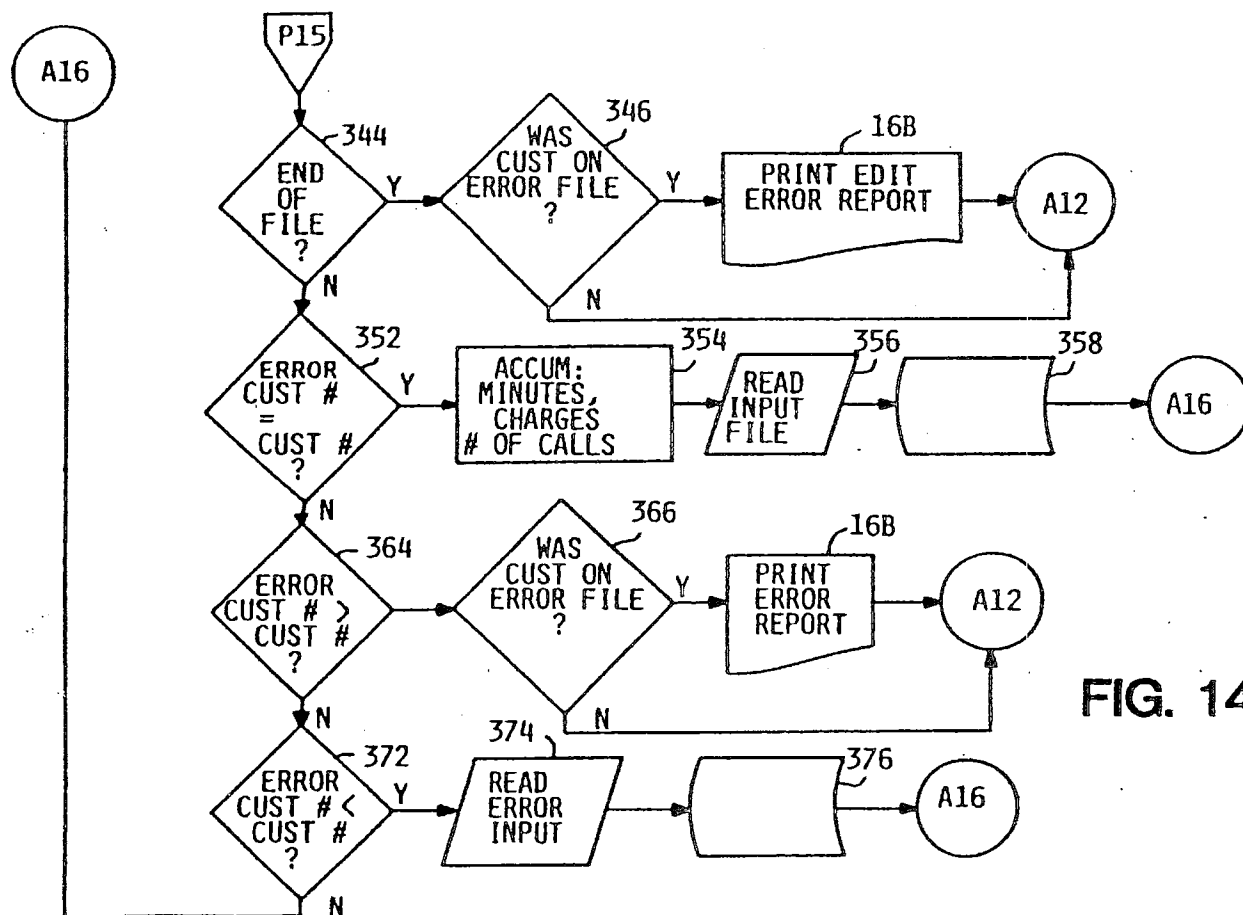
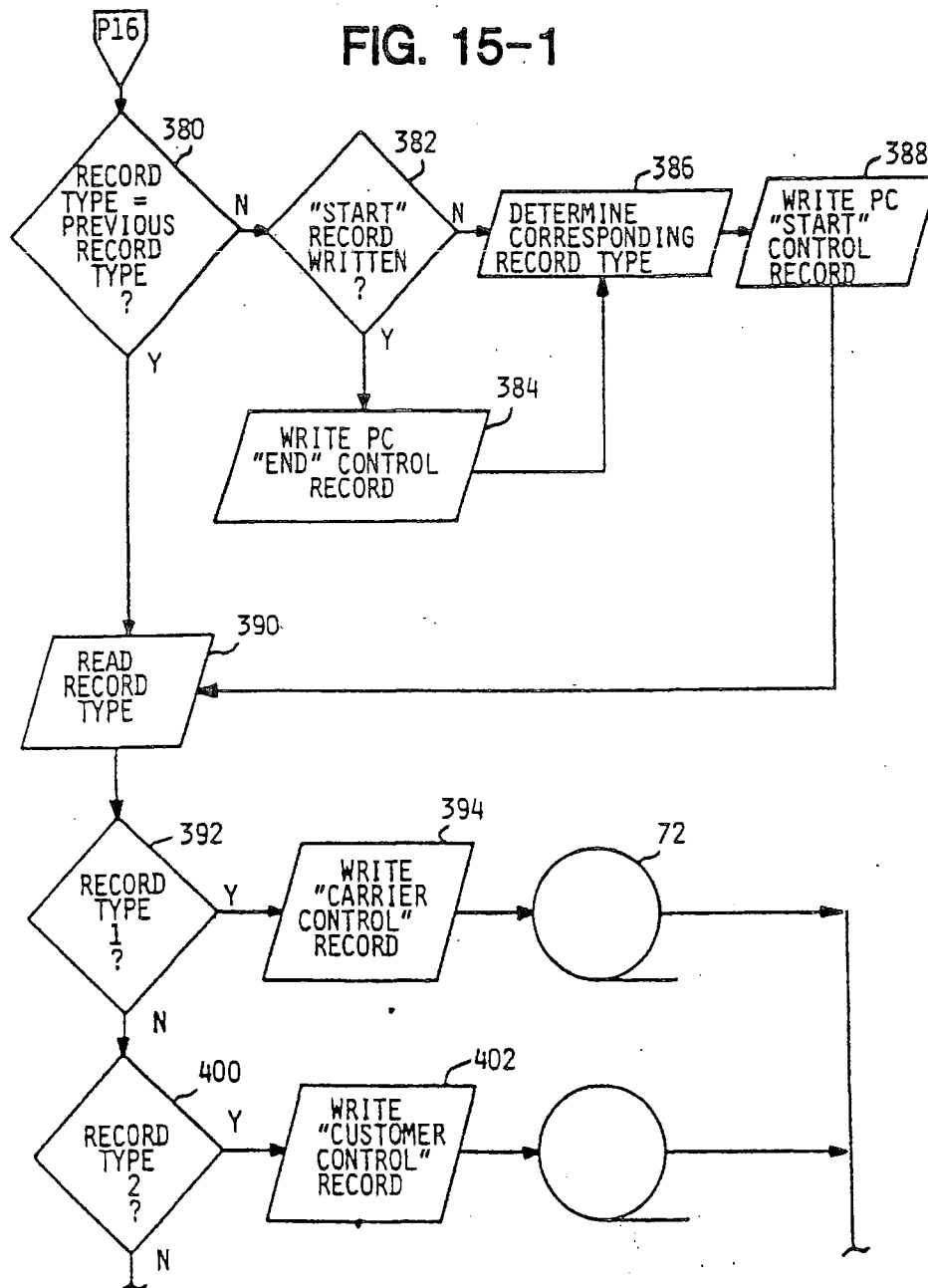


FIG. 15-1



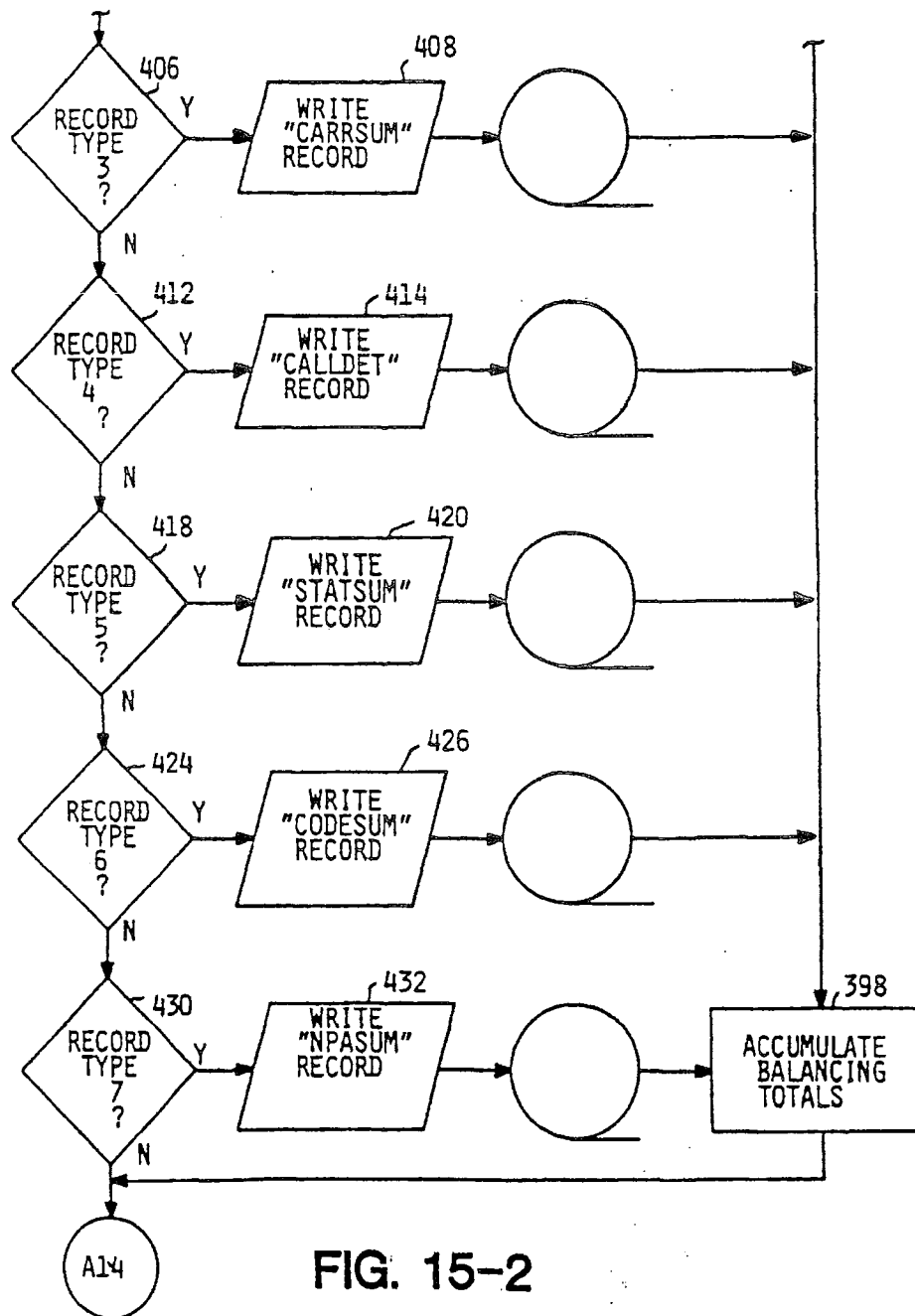


FIG. 15-2

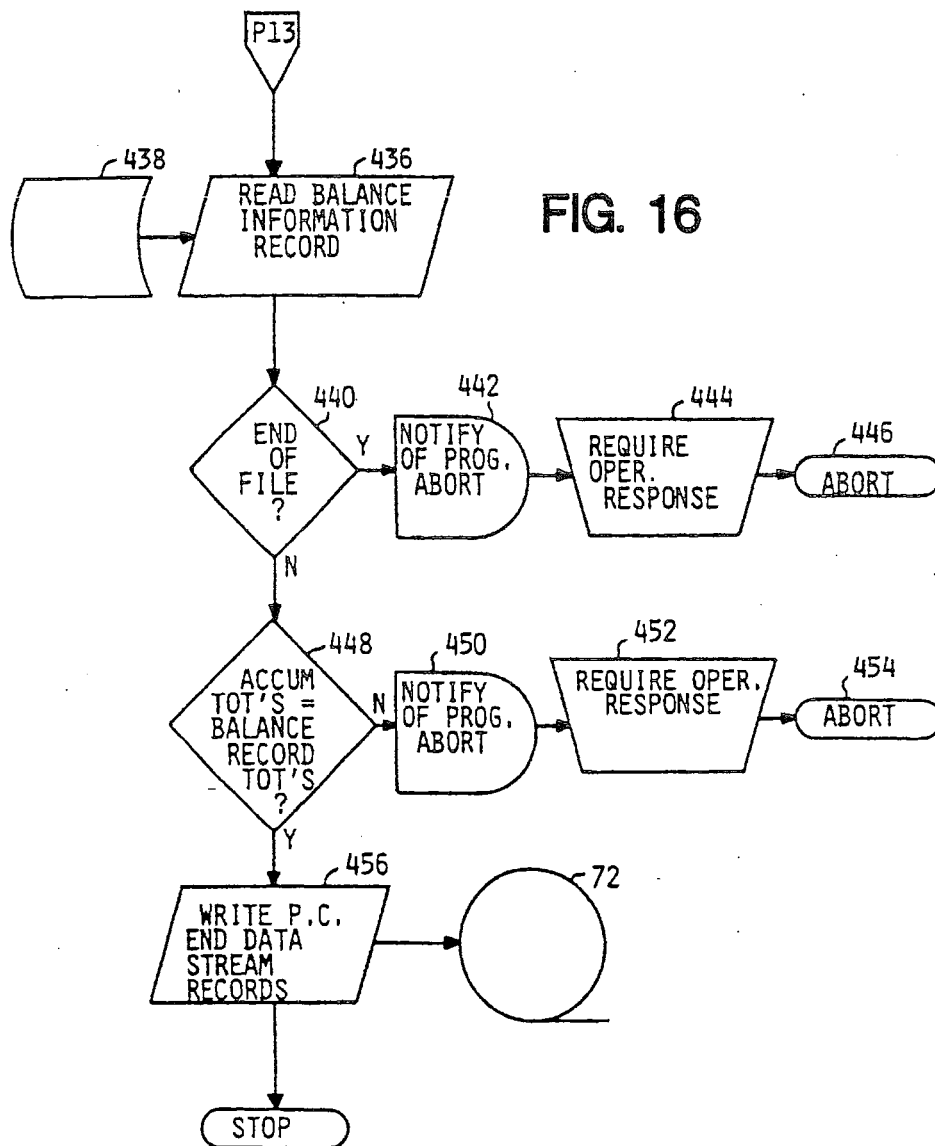
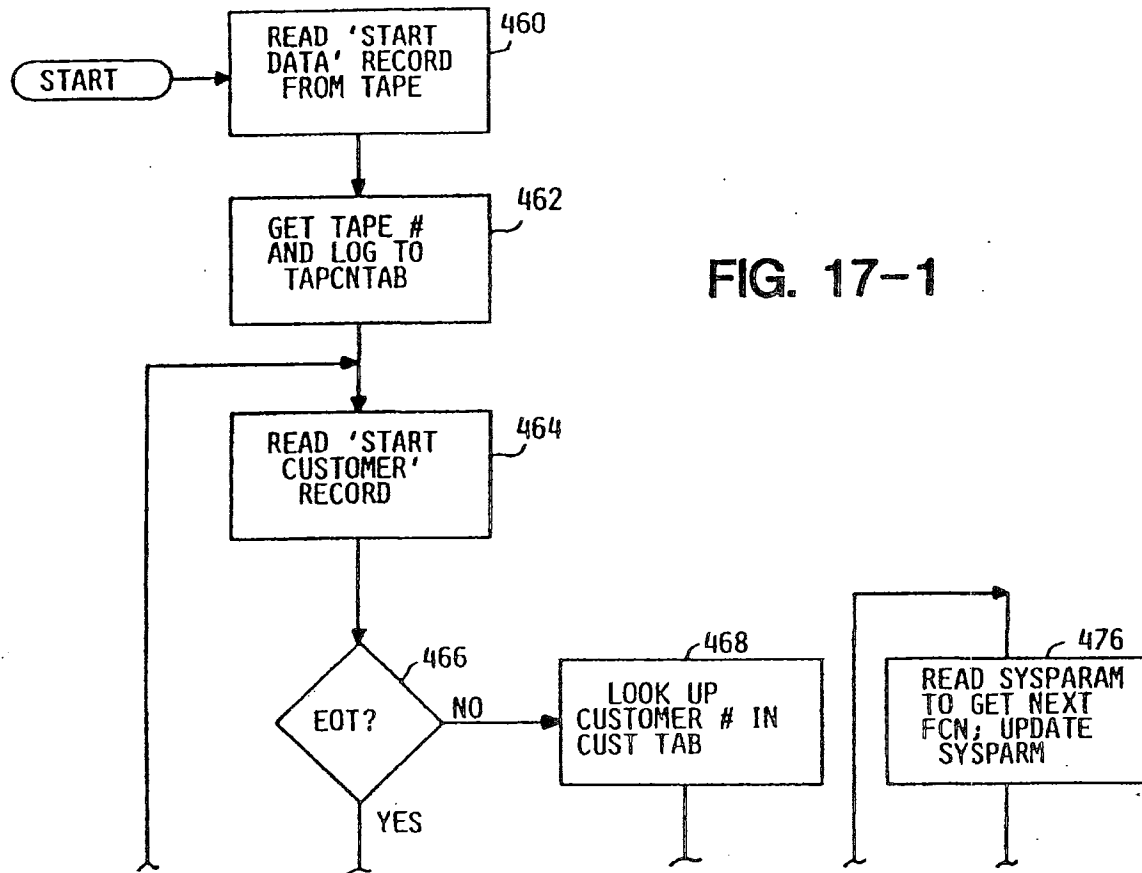


FIG. 17-1



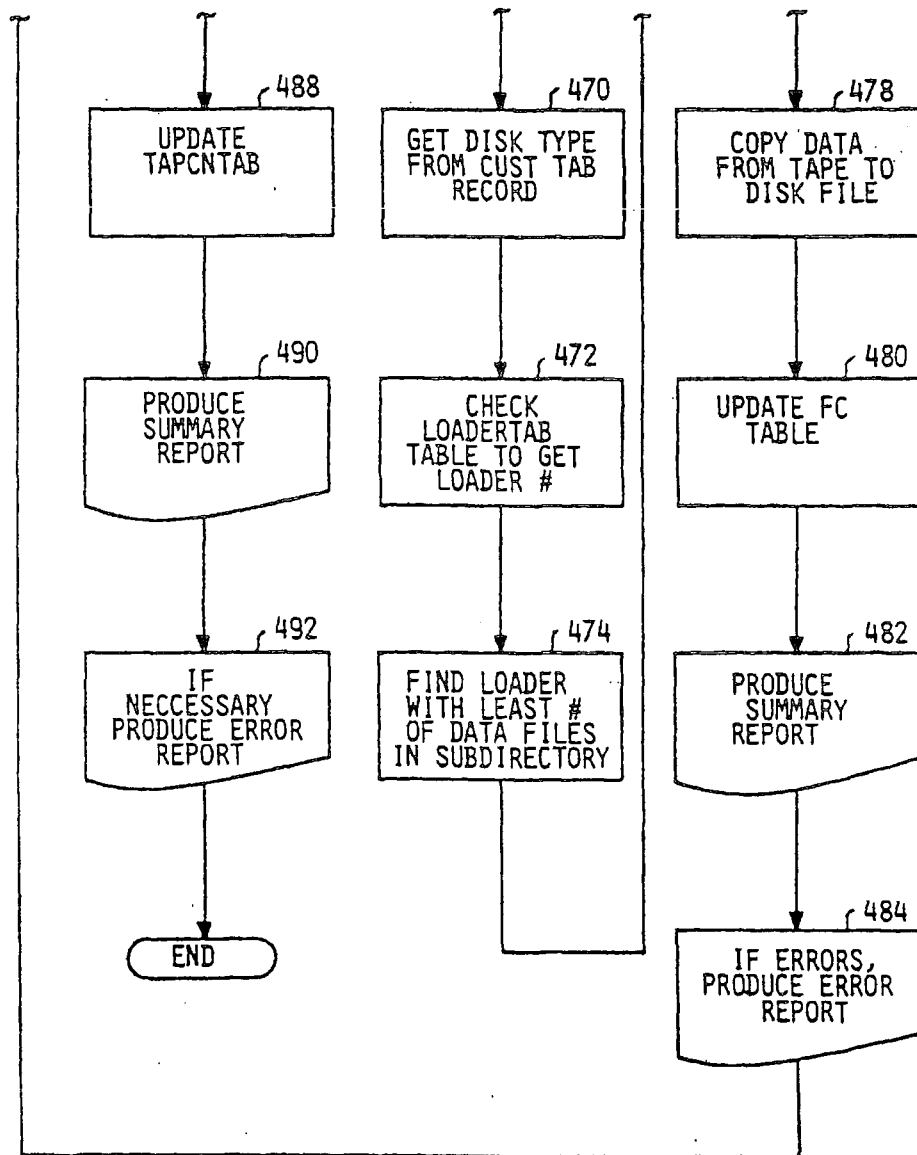
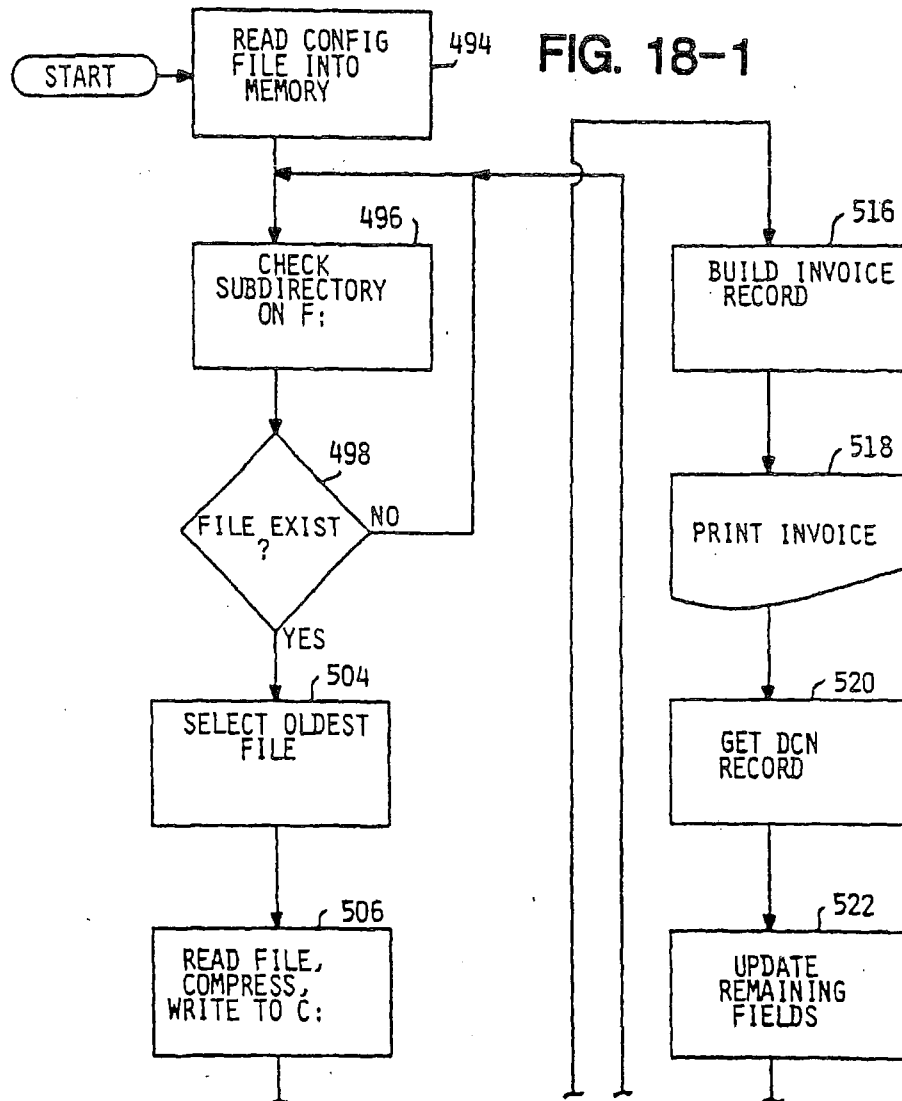


FIG. 17-2



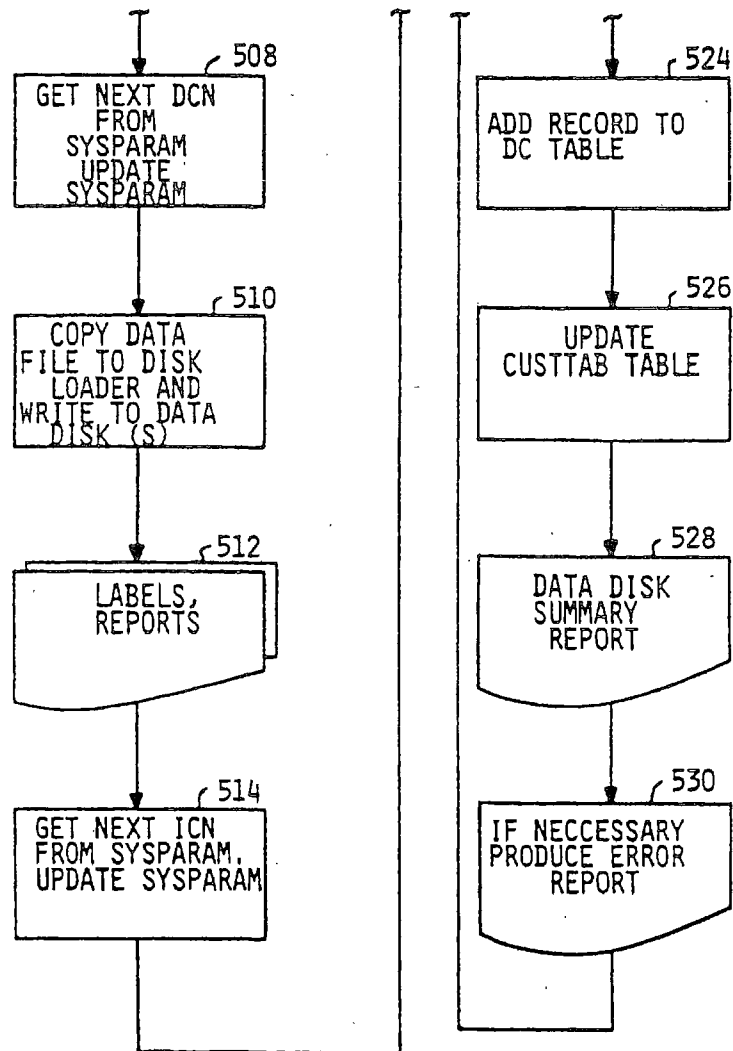


FIG. 18-2

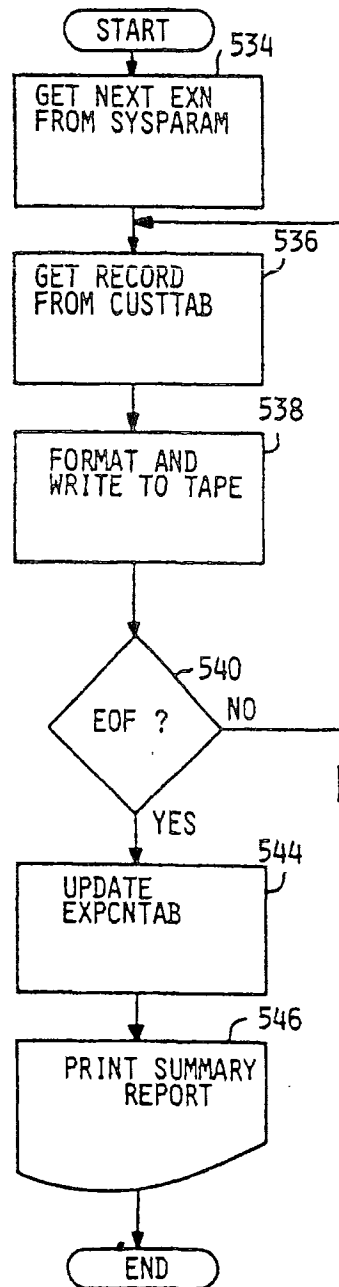


FIG. 19

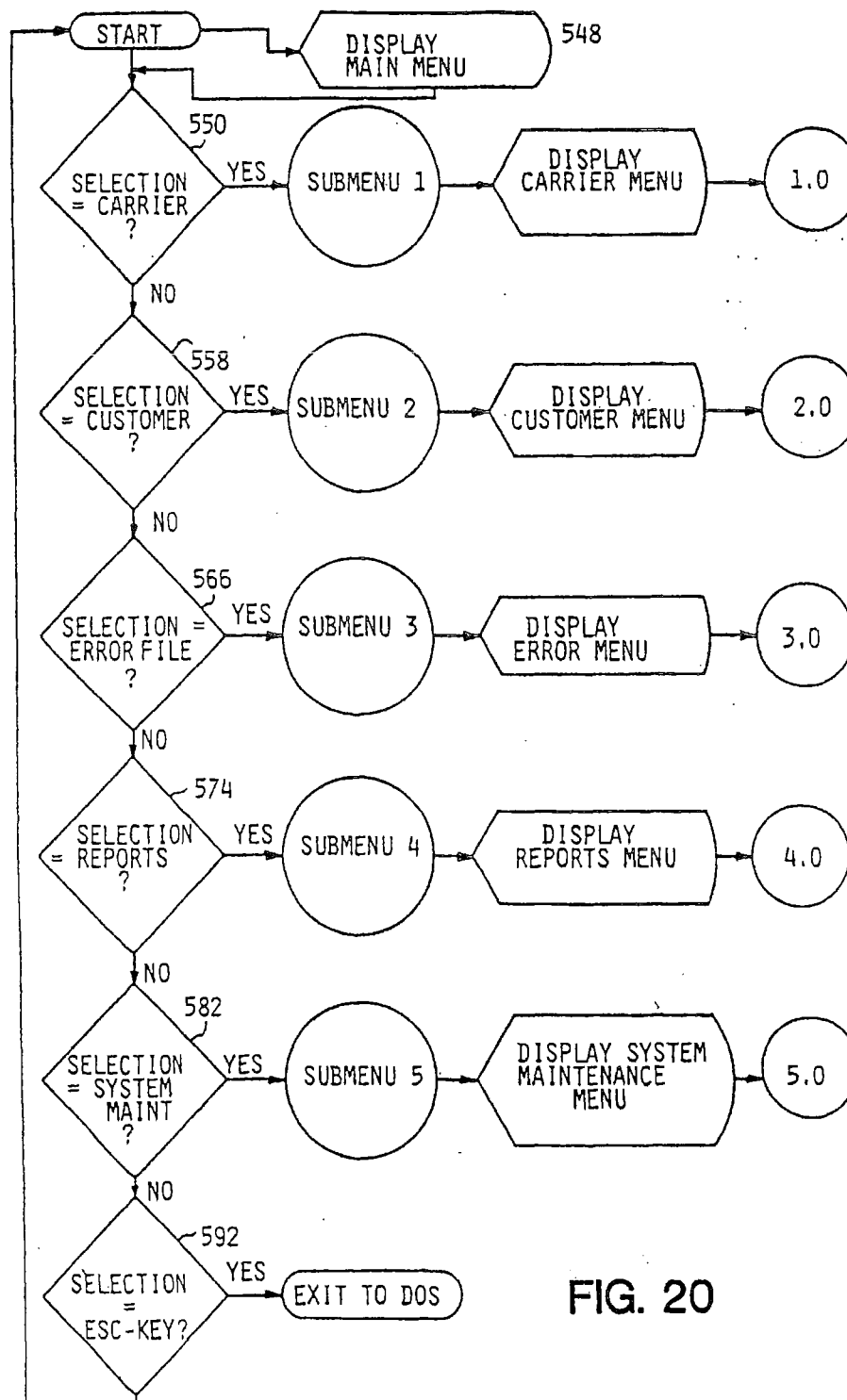


FIG. 20

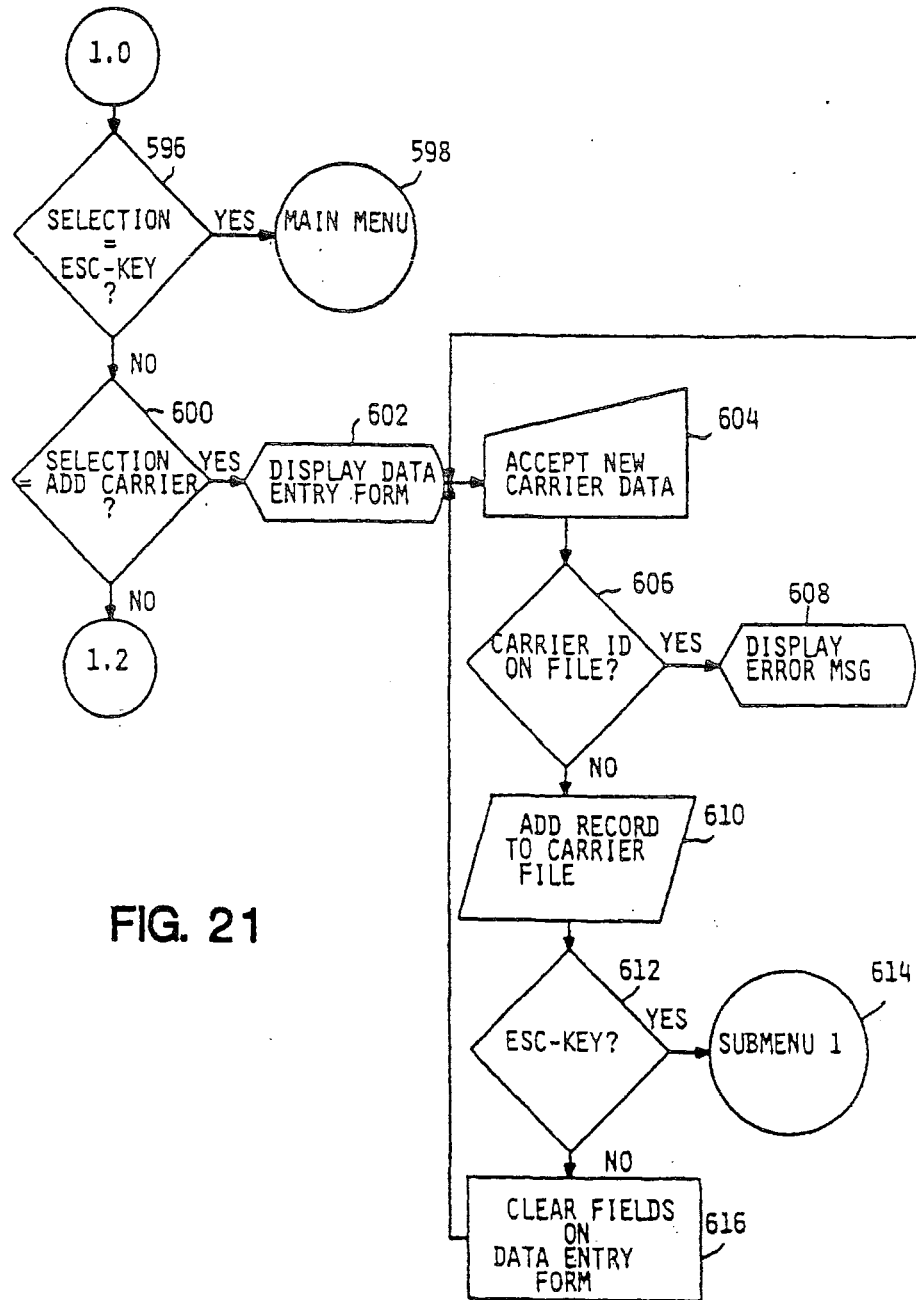
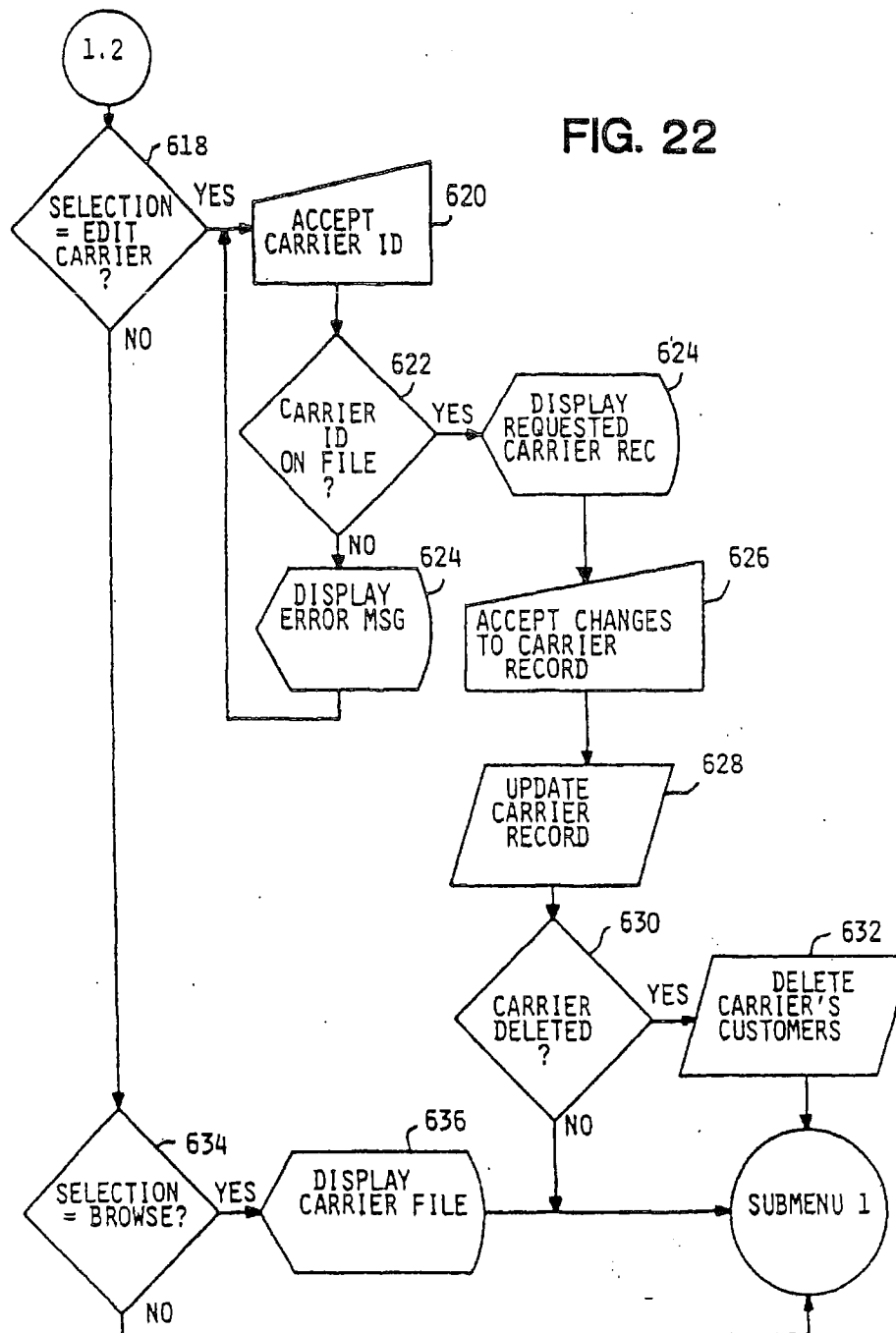


FIG. 22



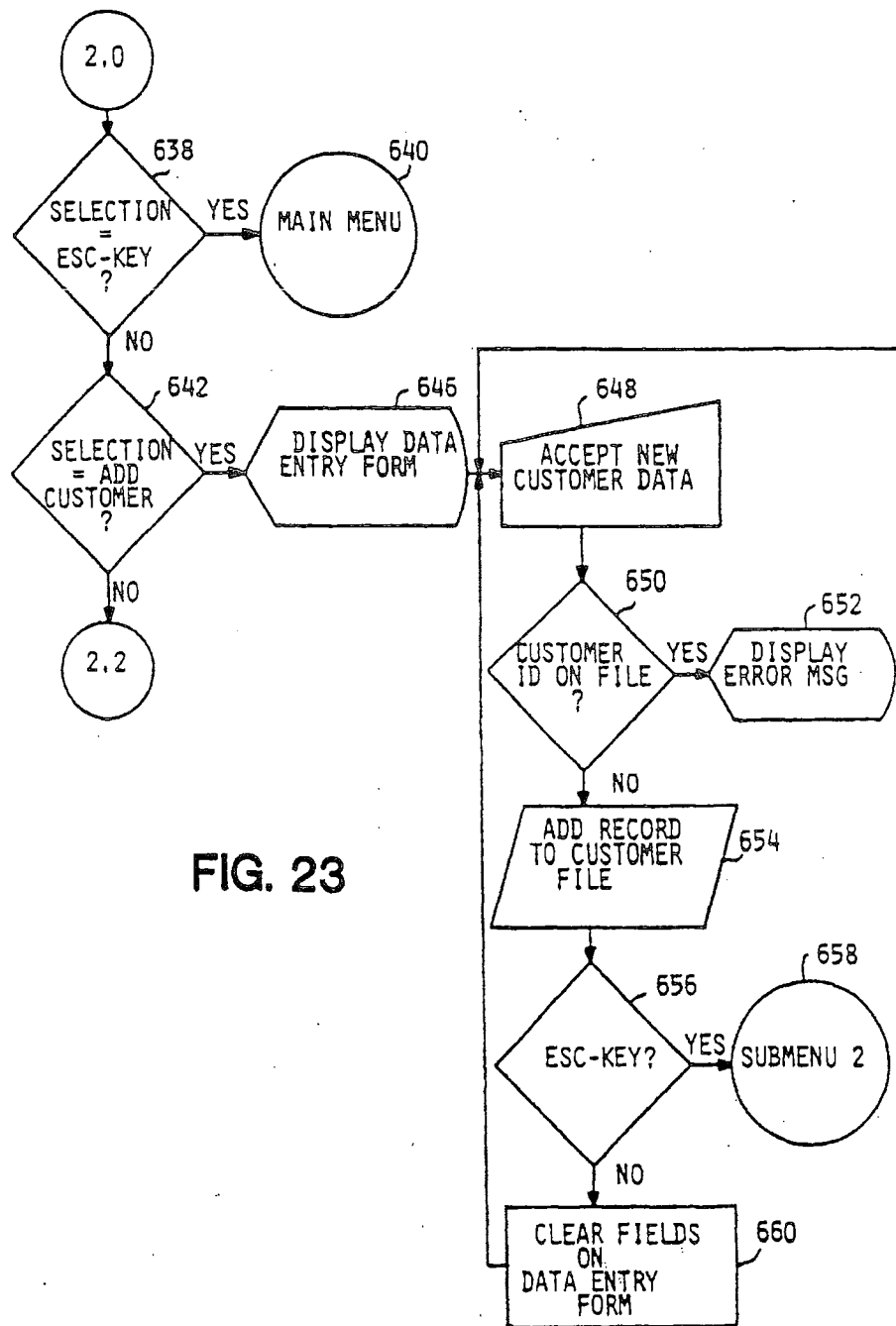


FIG. 23

FIG. 24

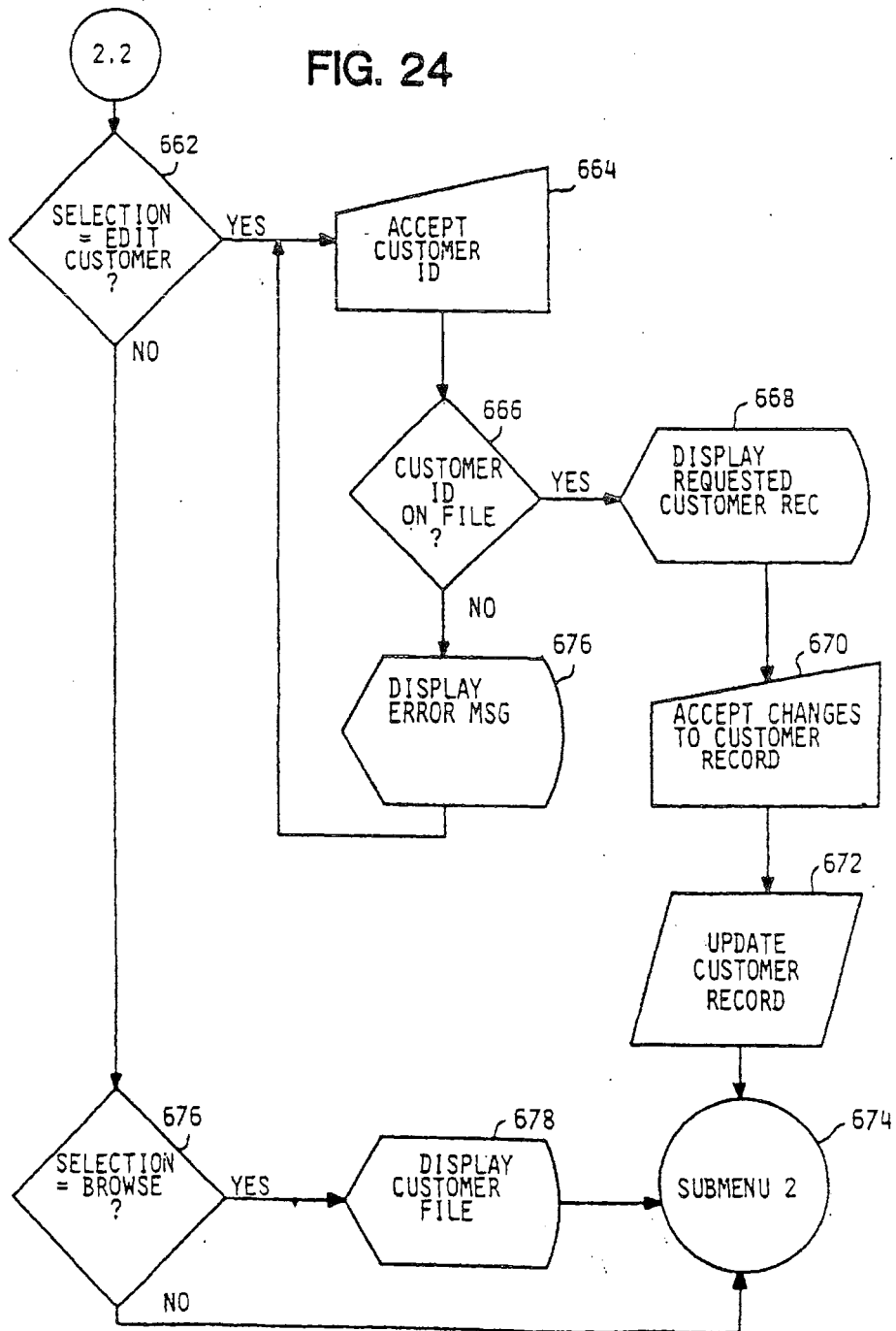


FIG. 25

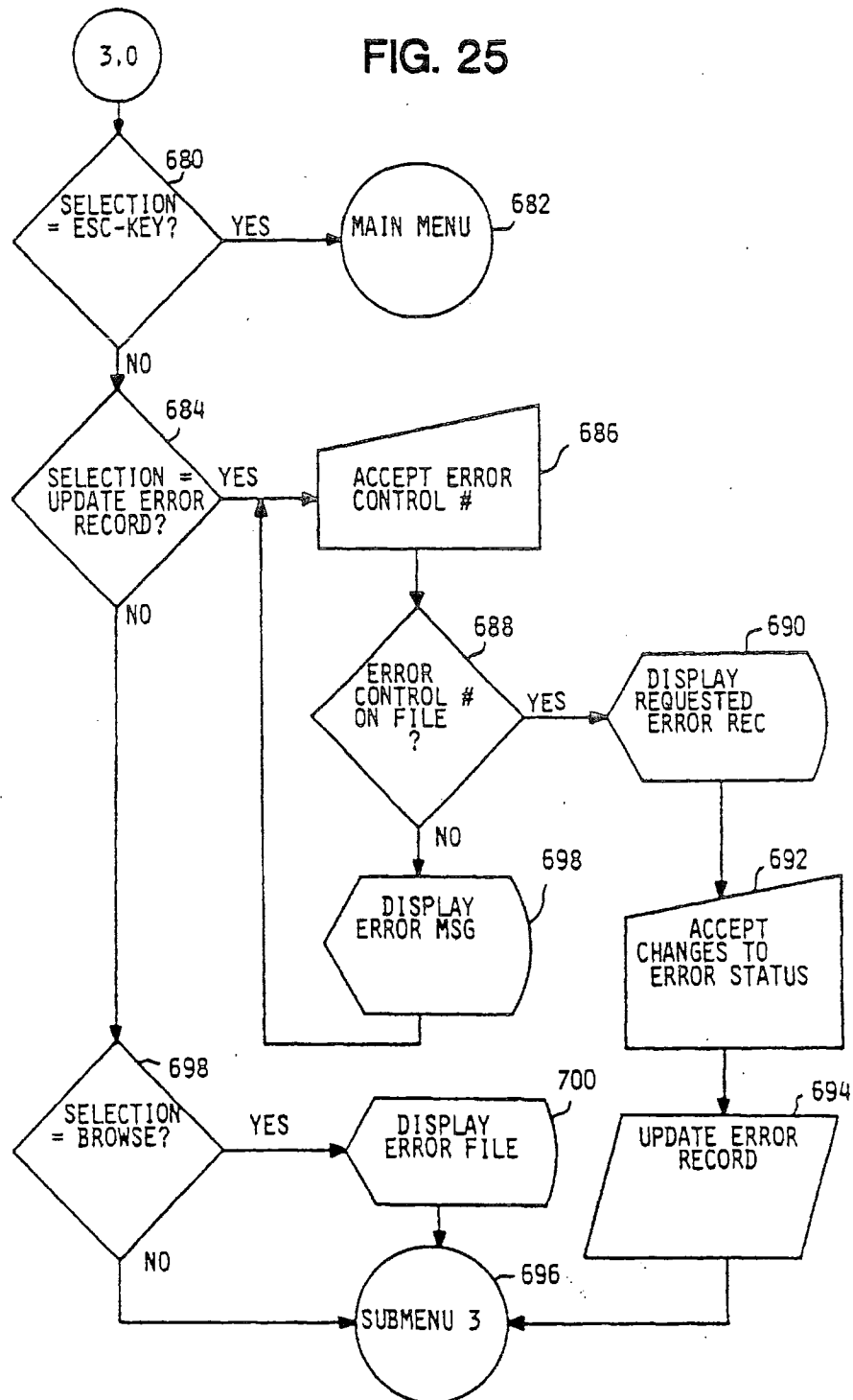


FIG. 26

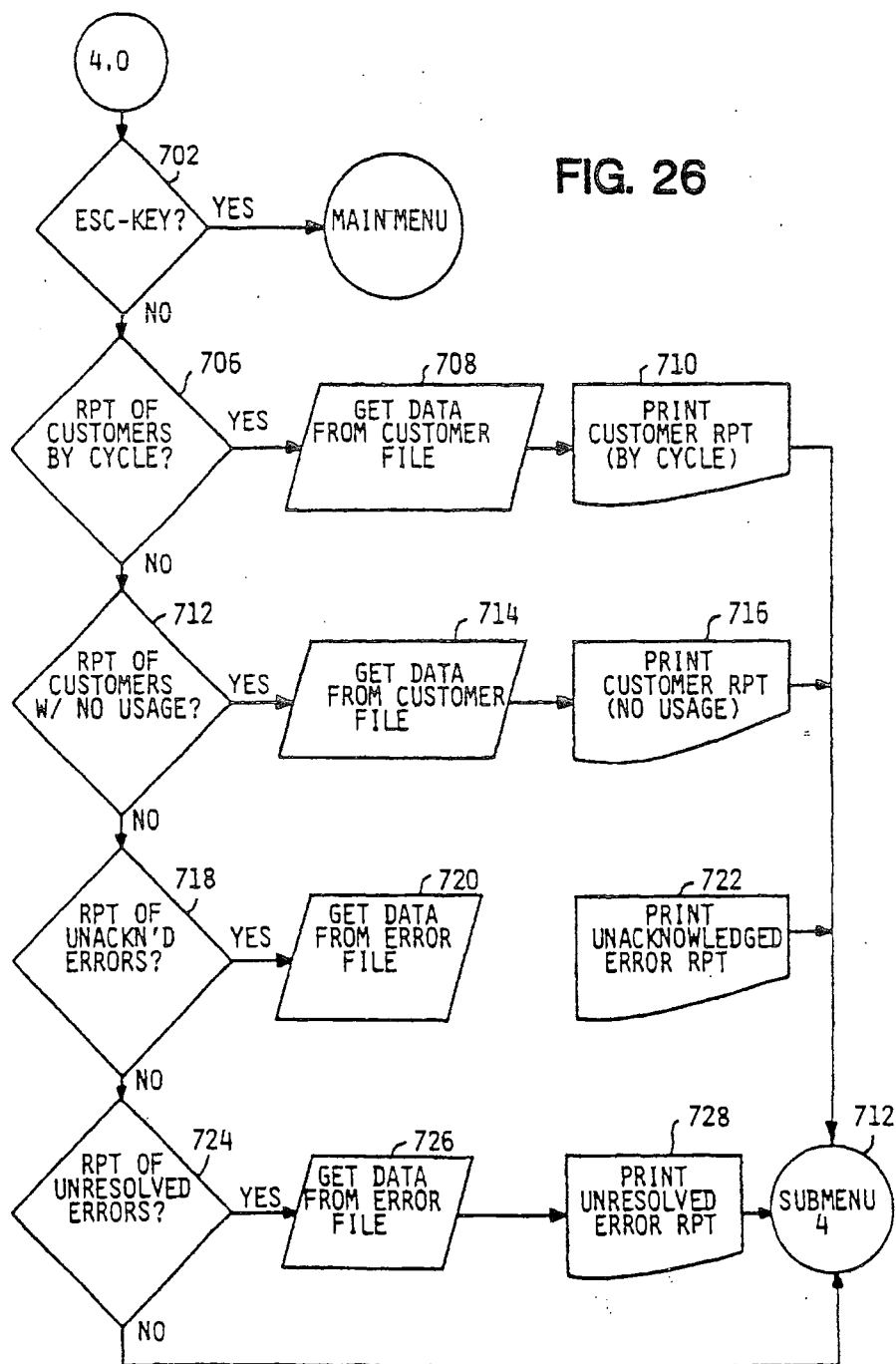
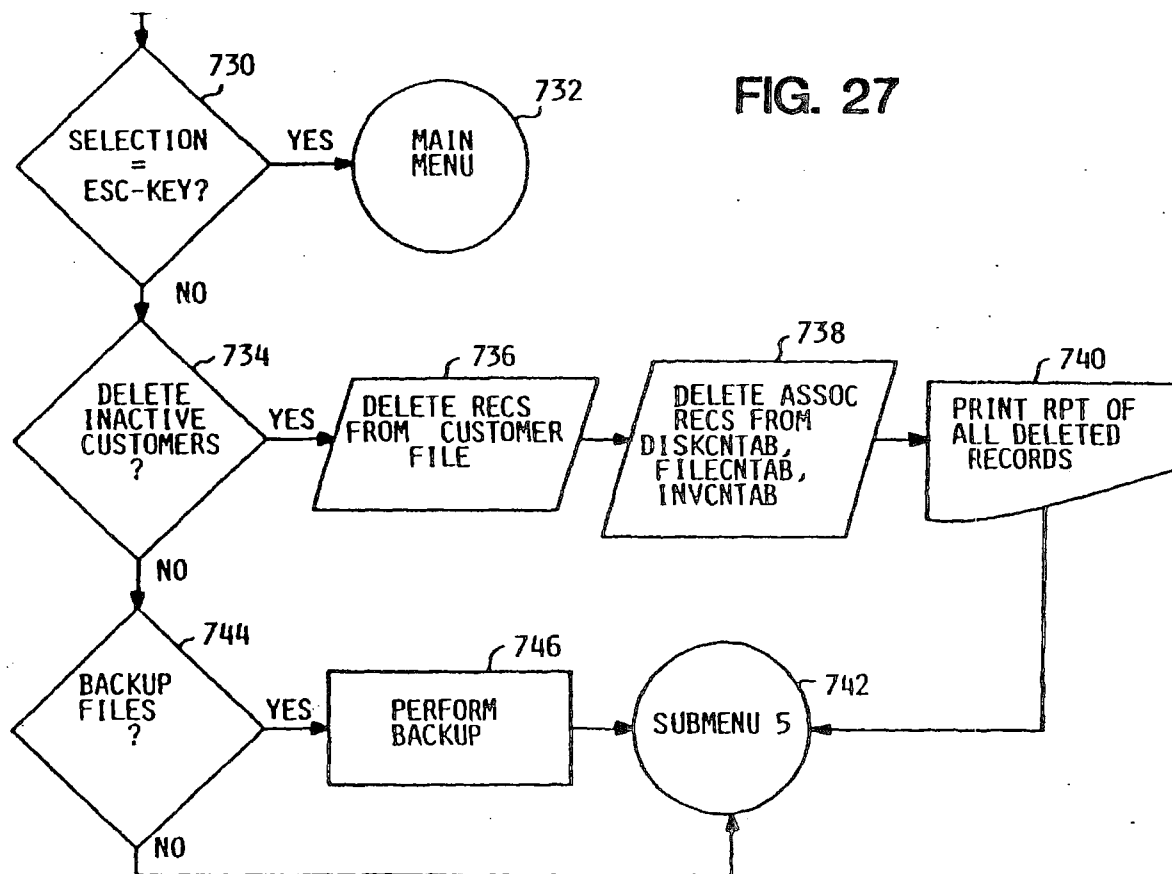
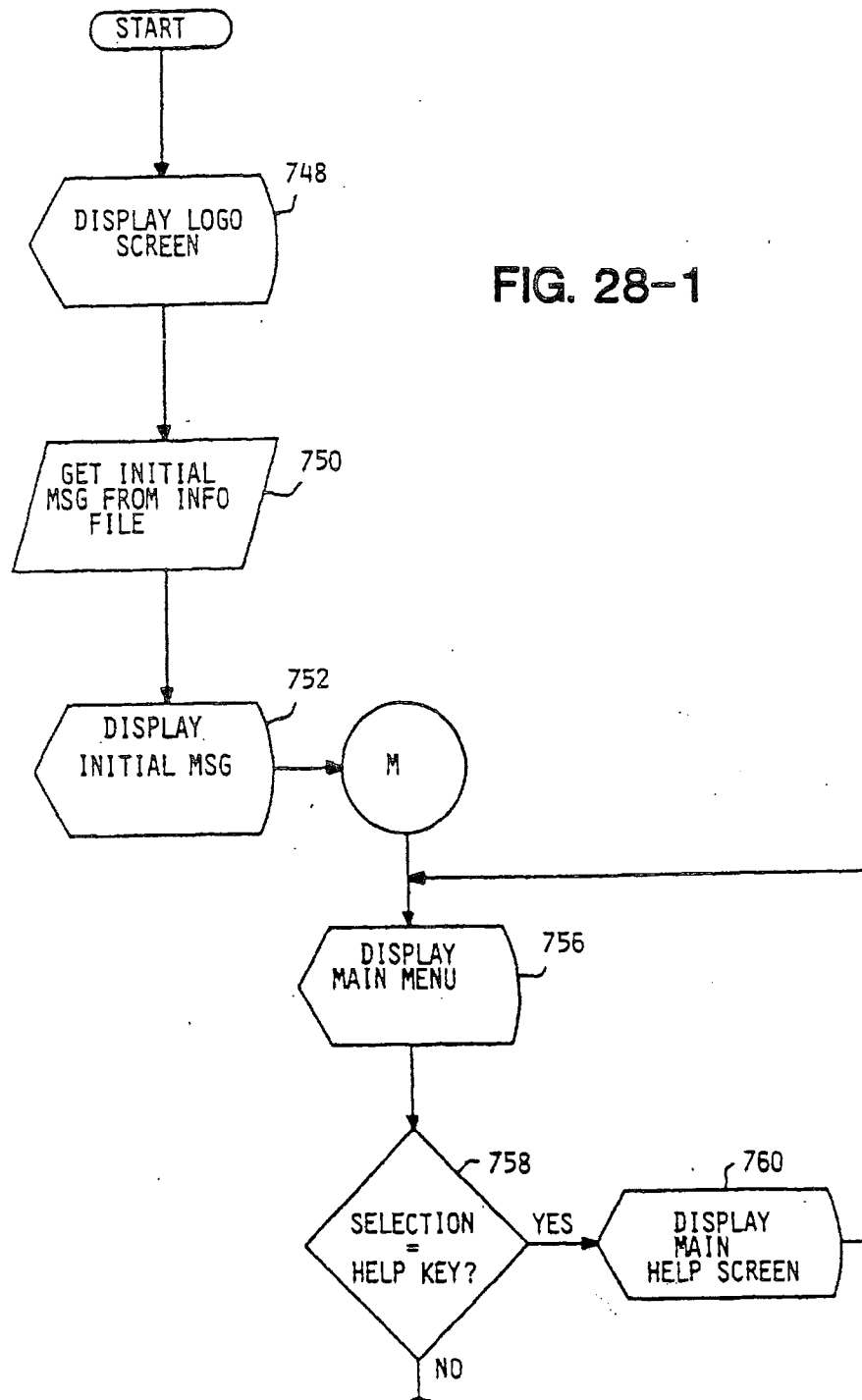


FIG. 27





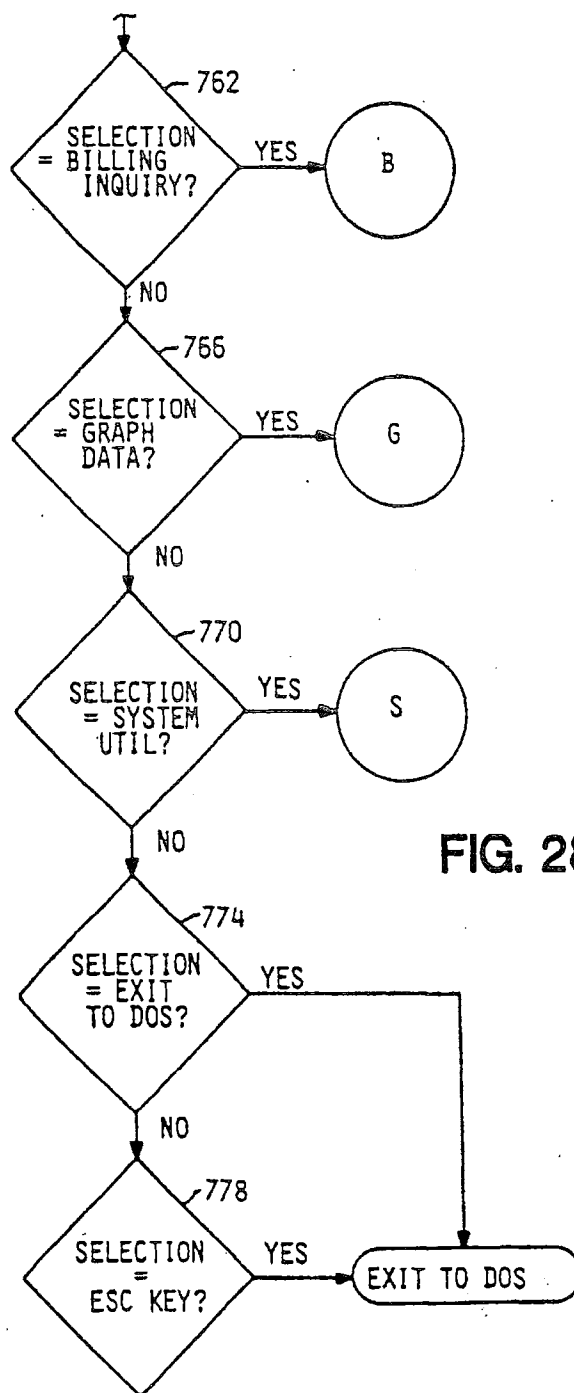


FIG. 28-2

FIG. 29-1

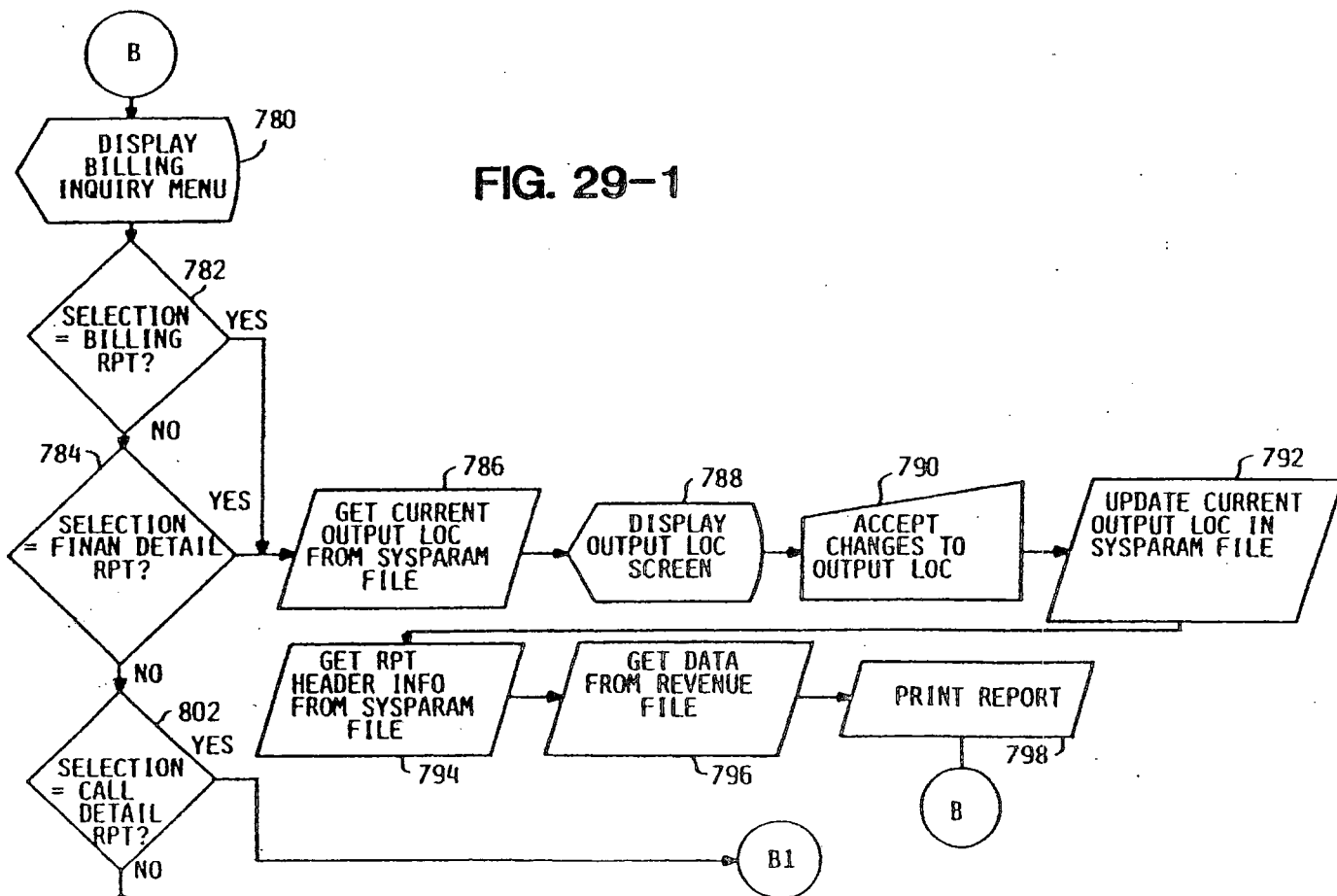


FIG. 29-2

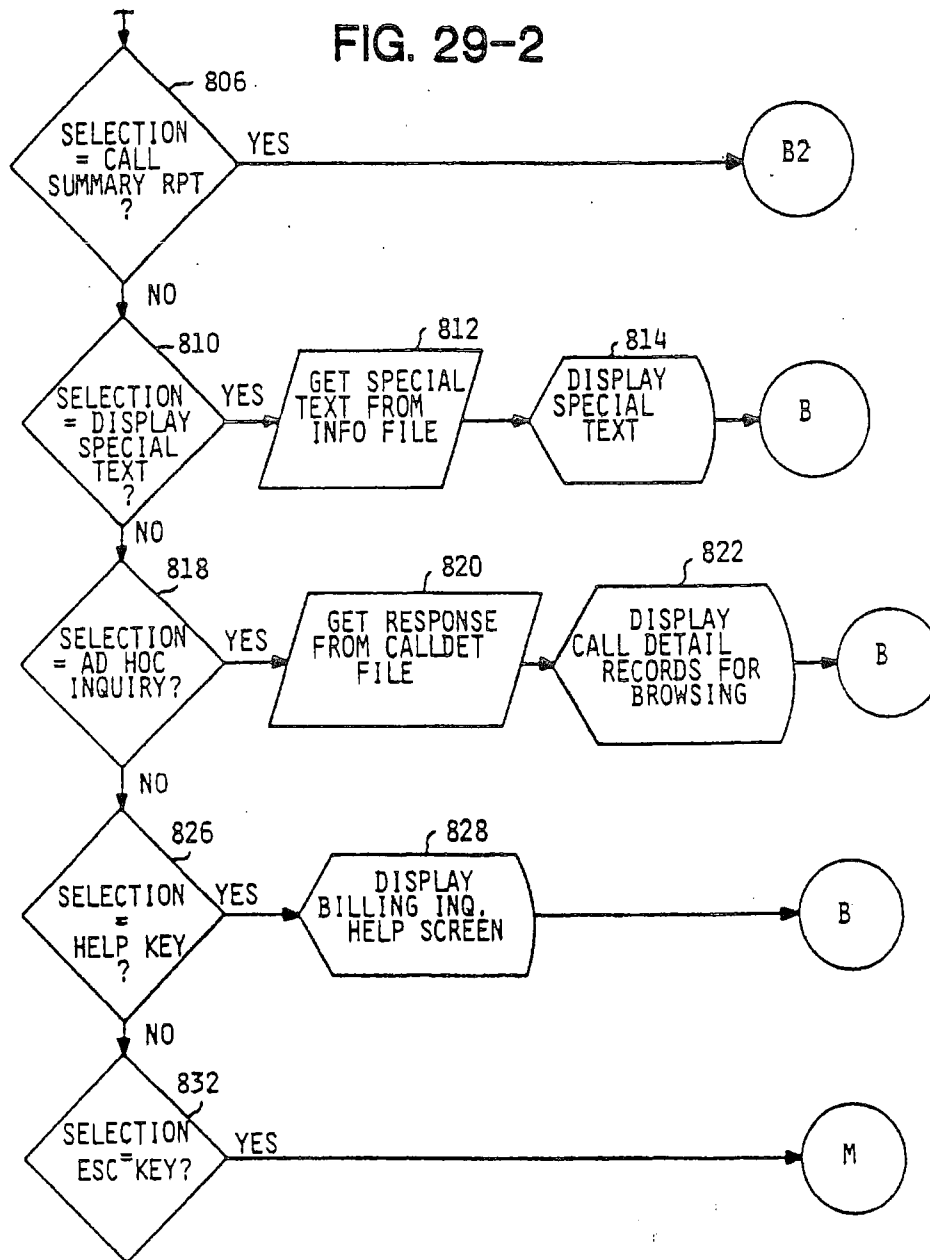
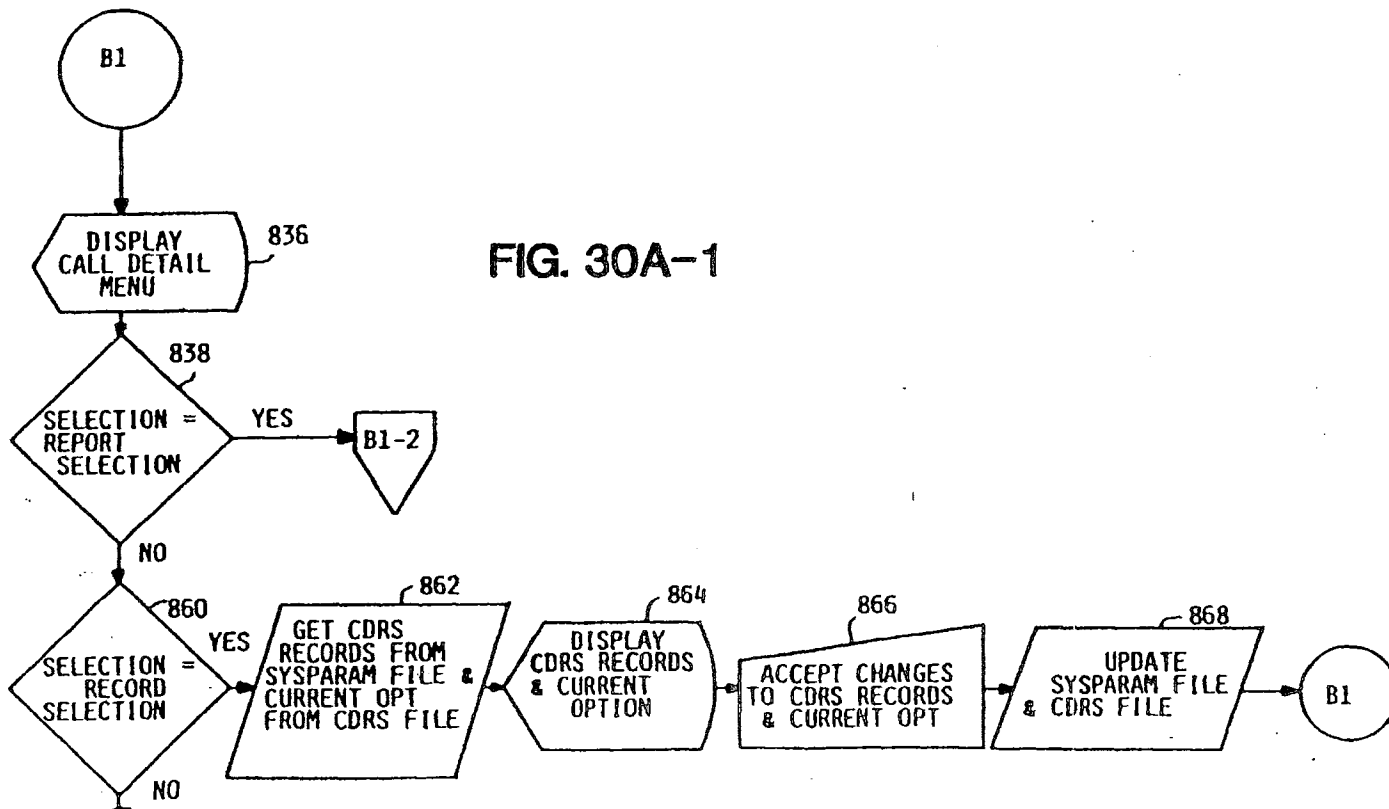


FIG. 30A-1



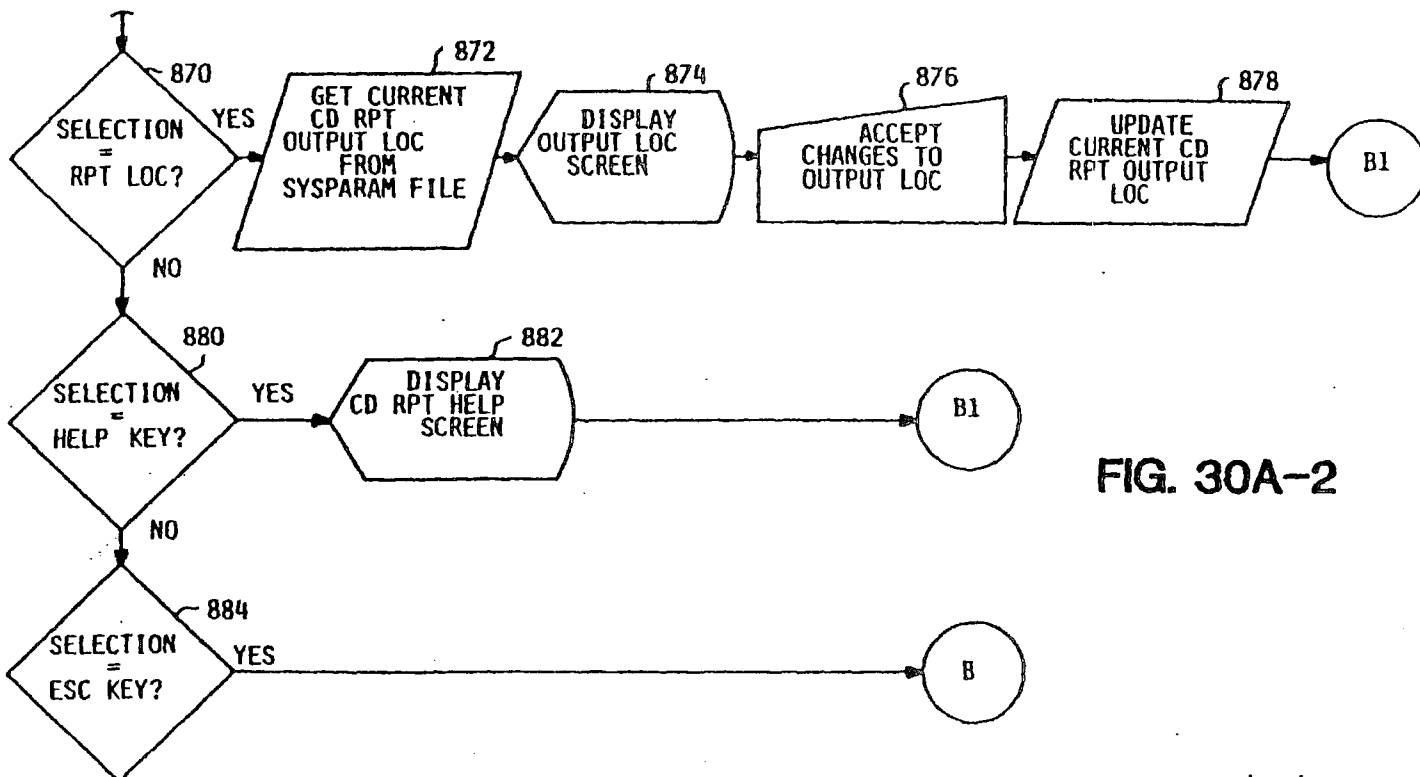


FIG. 30A-2

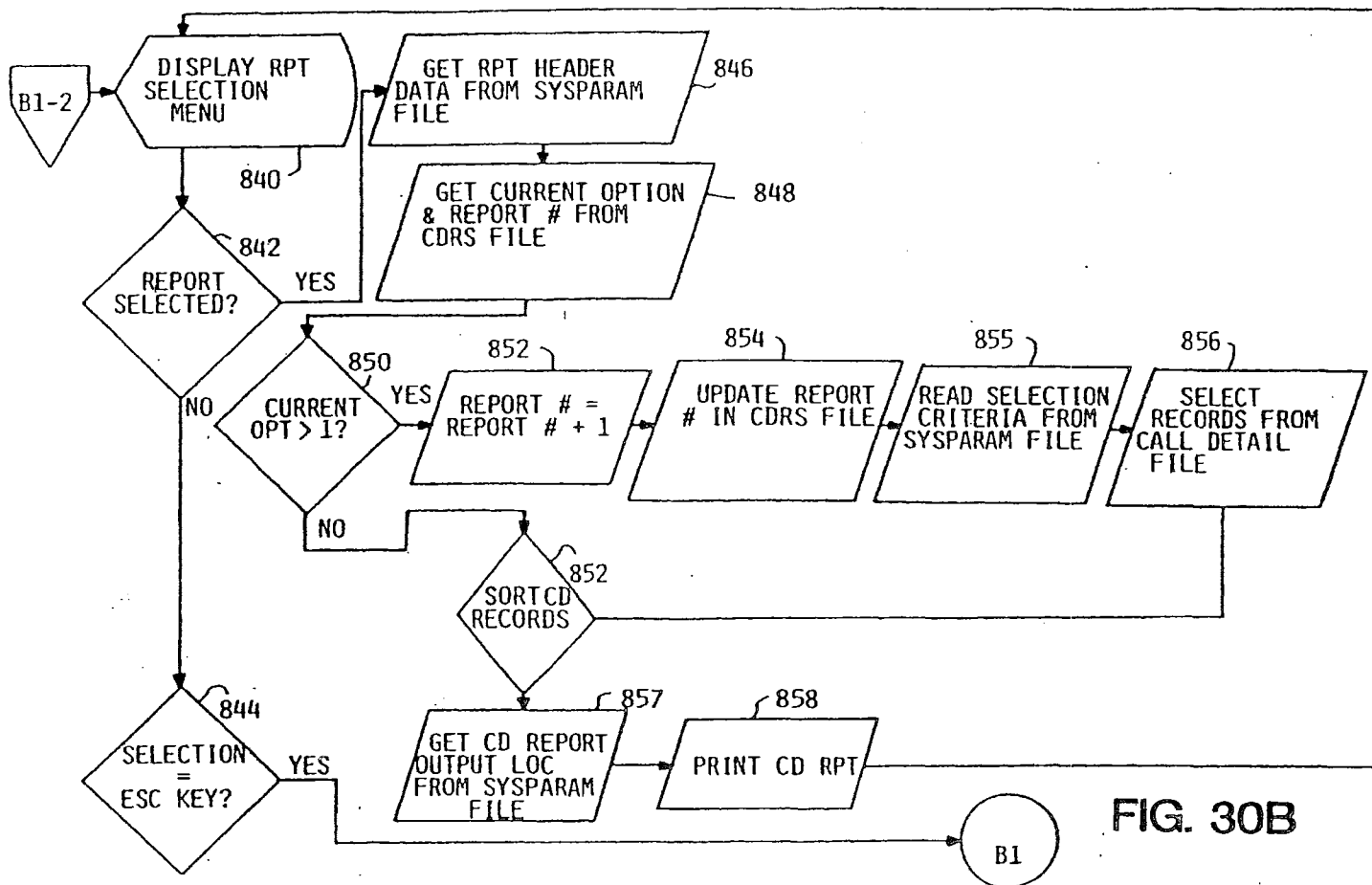
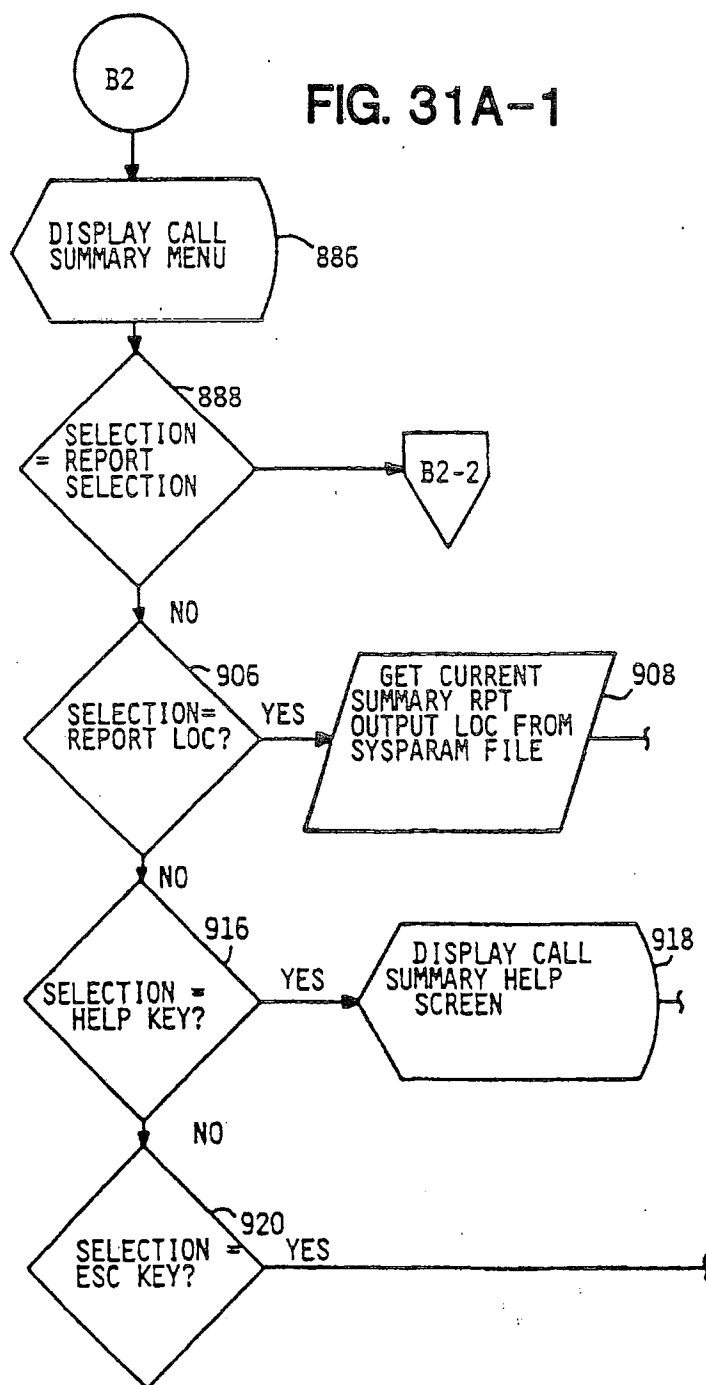
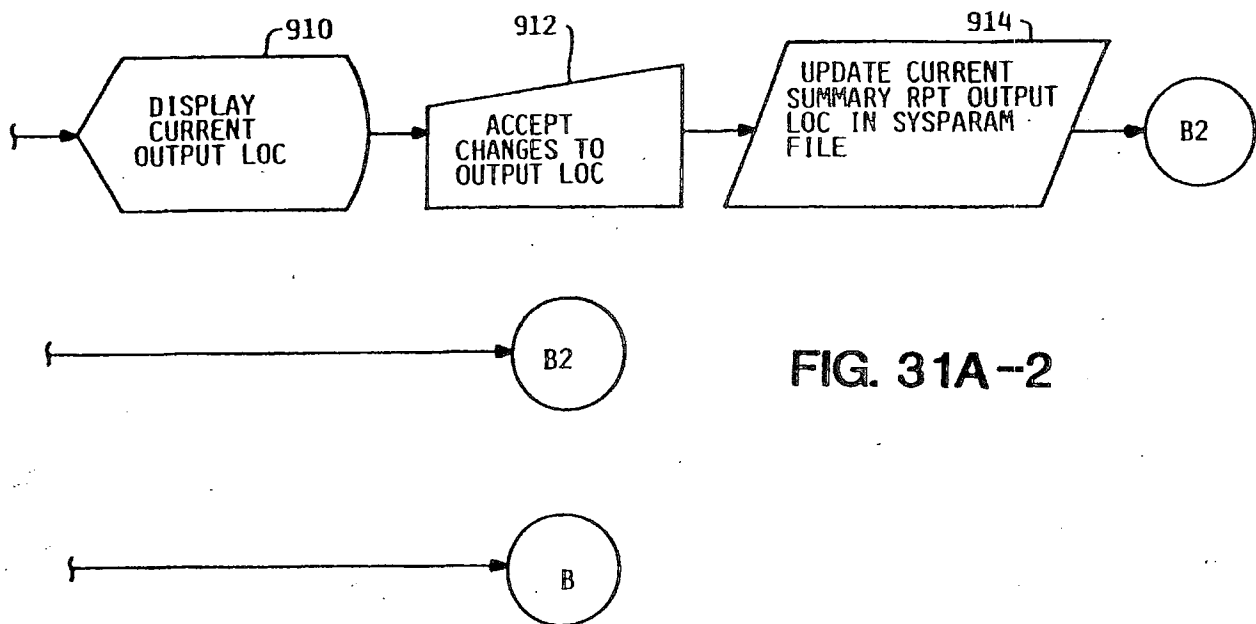


FIG. 31A-1





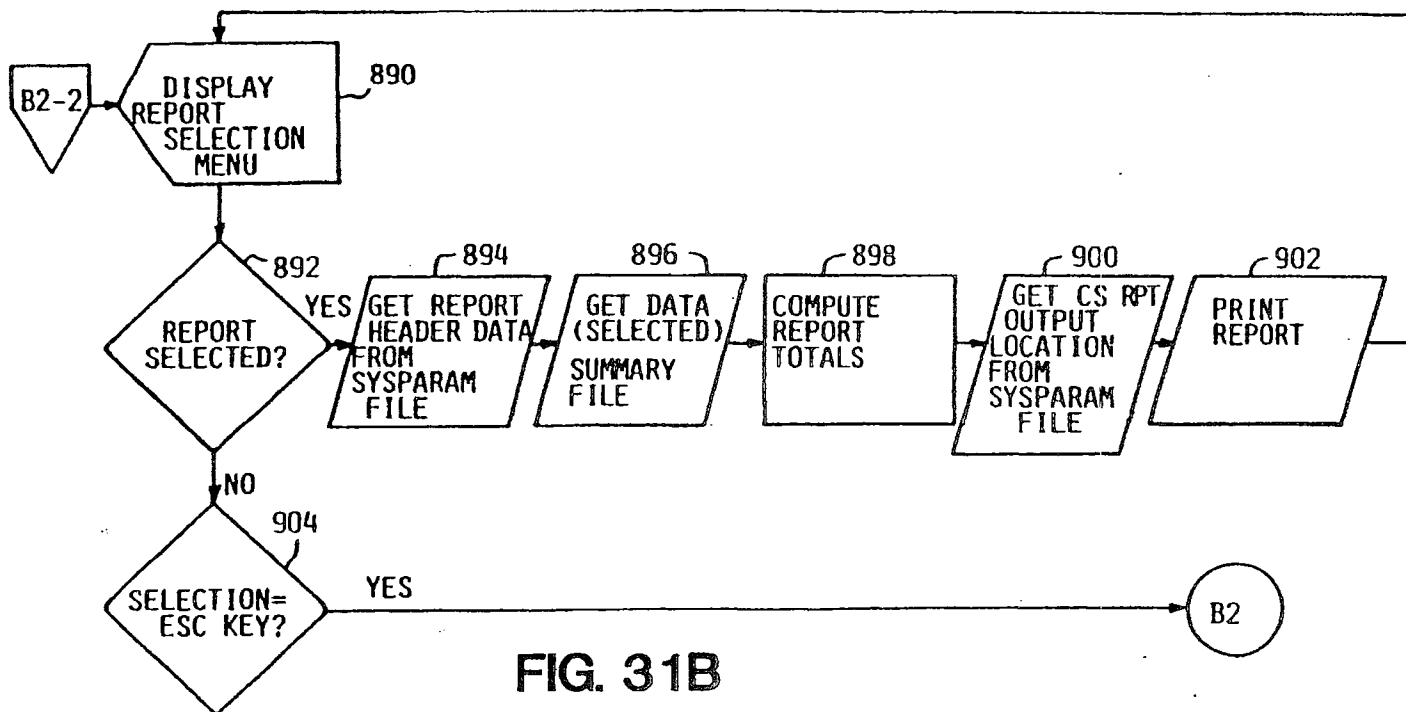
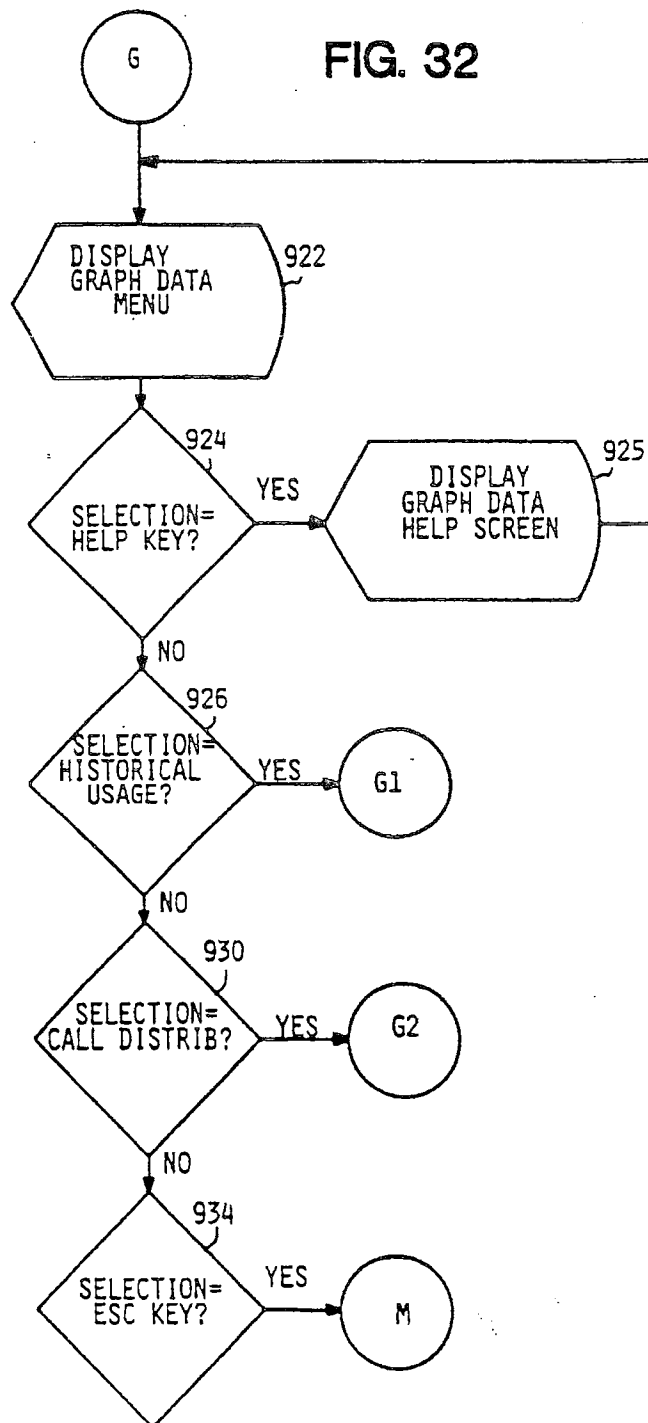
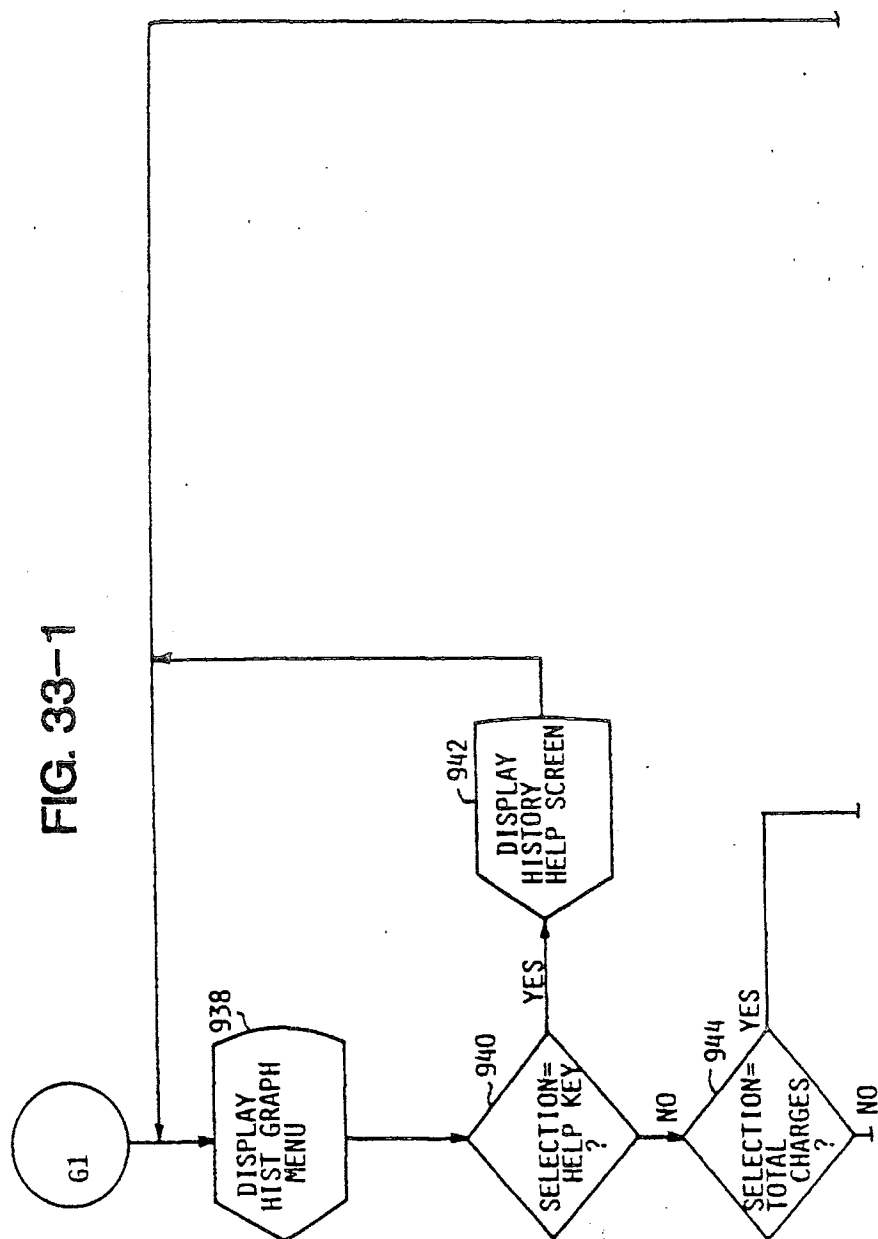


FIG. 32





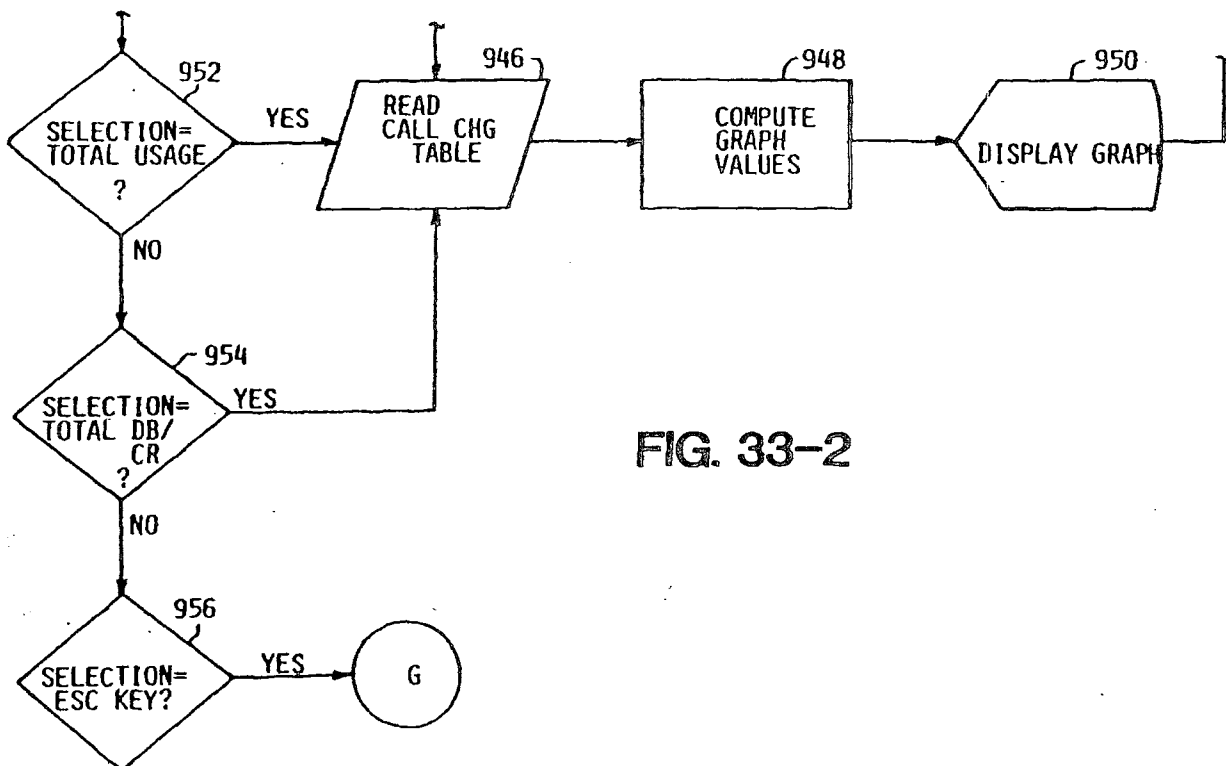
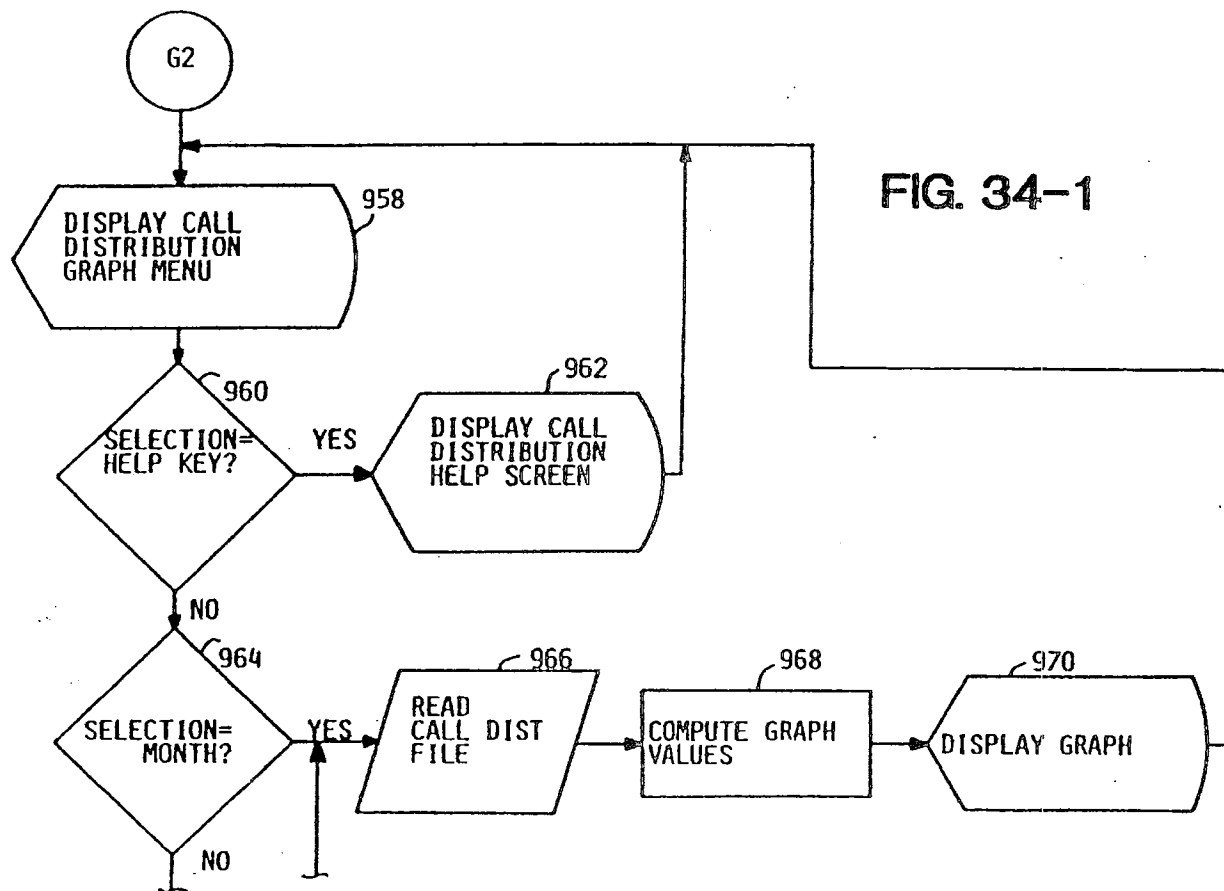


FIG. 33-2

FIG. 34-1



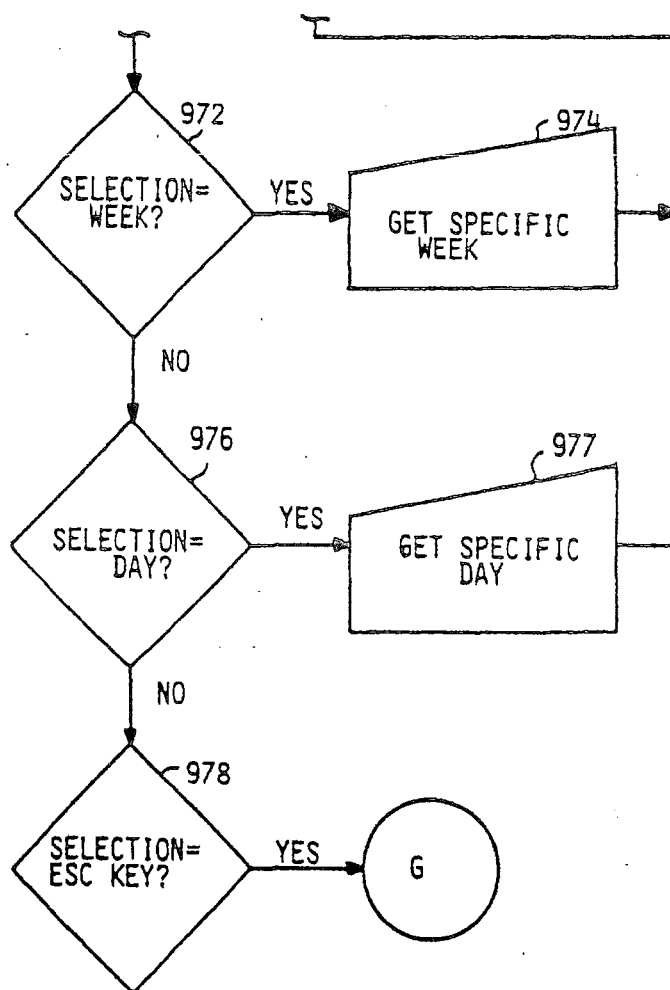


FIG. 34-2

FIG. 35-1

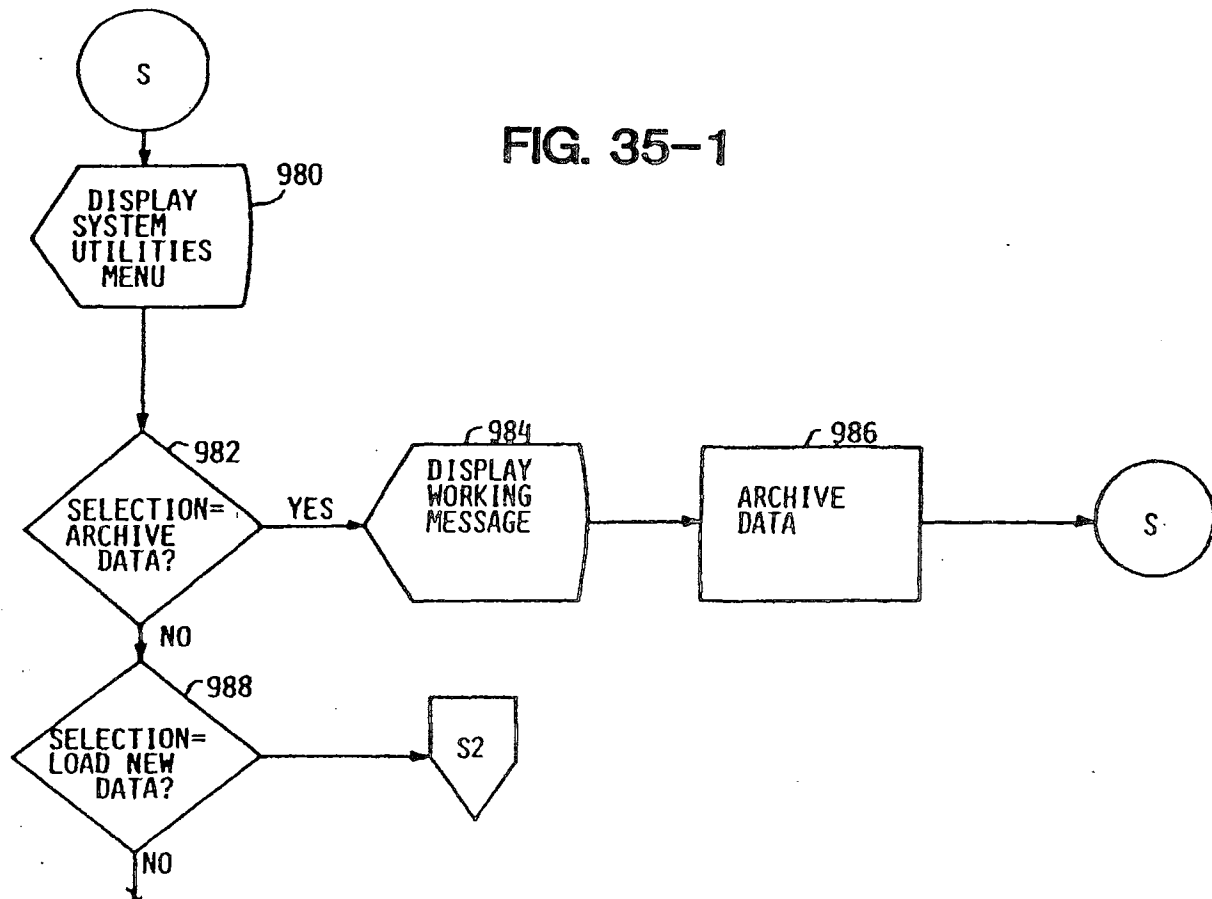


FIG. 35-2

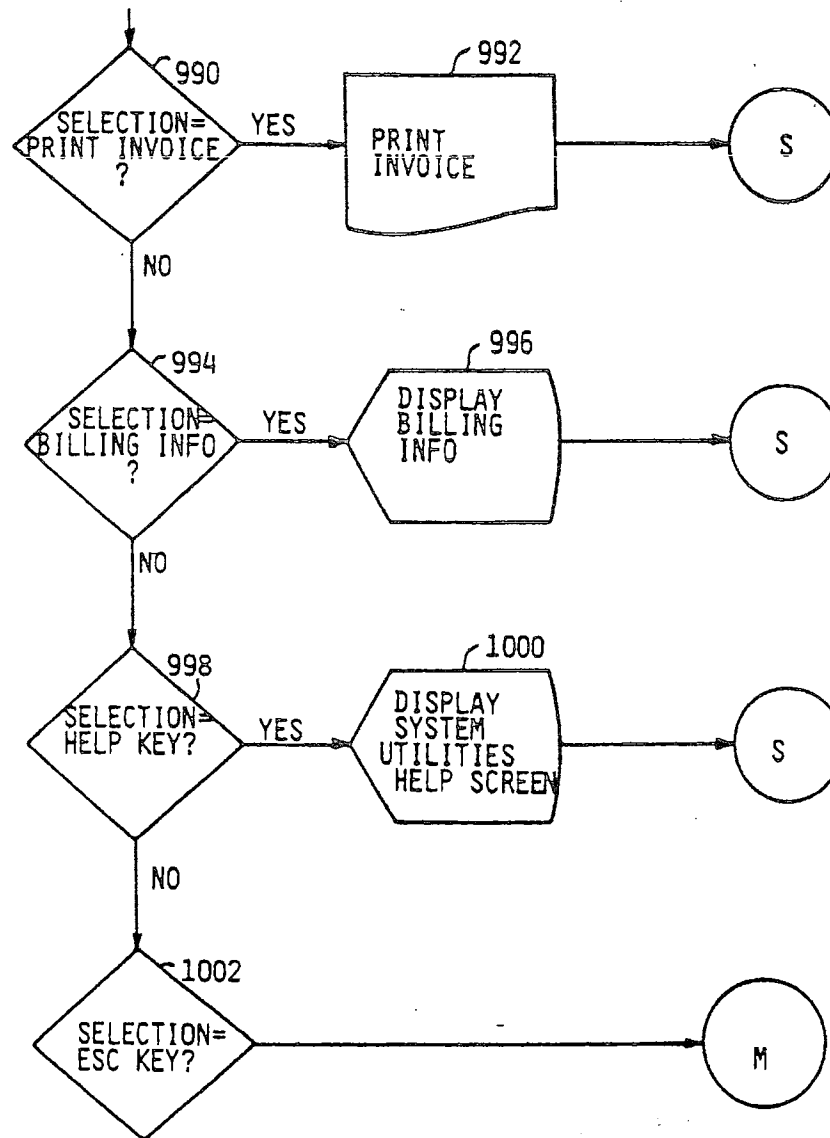
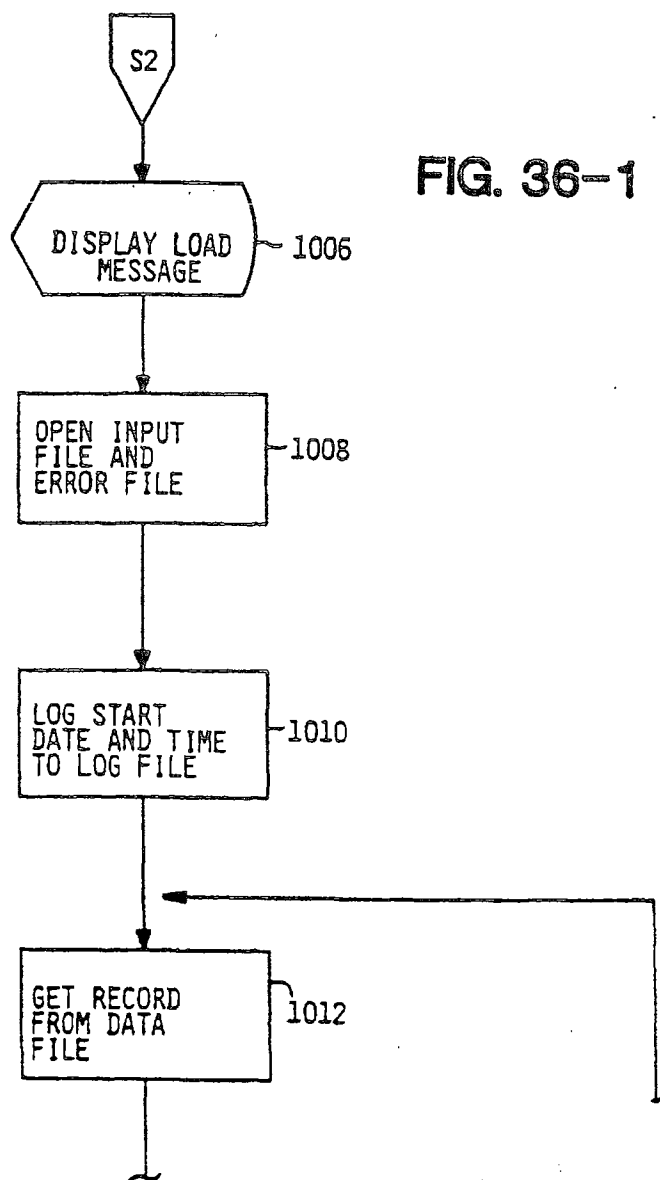


FIG. 36-1



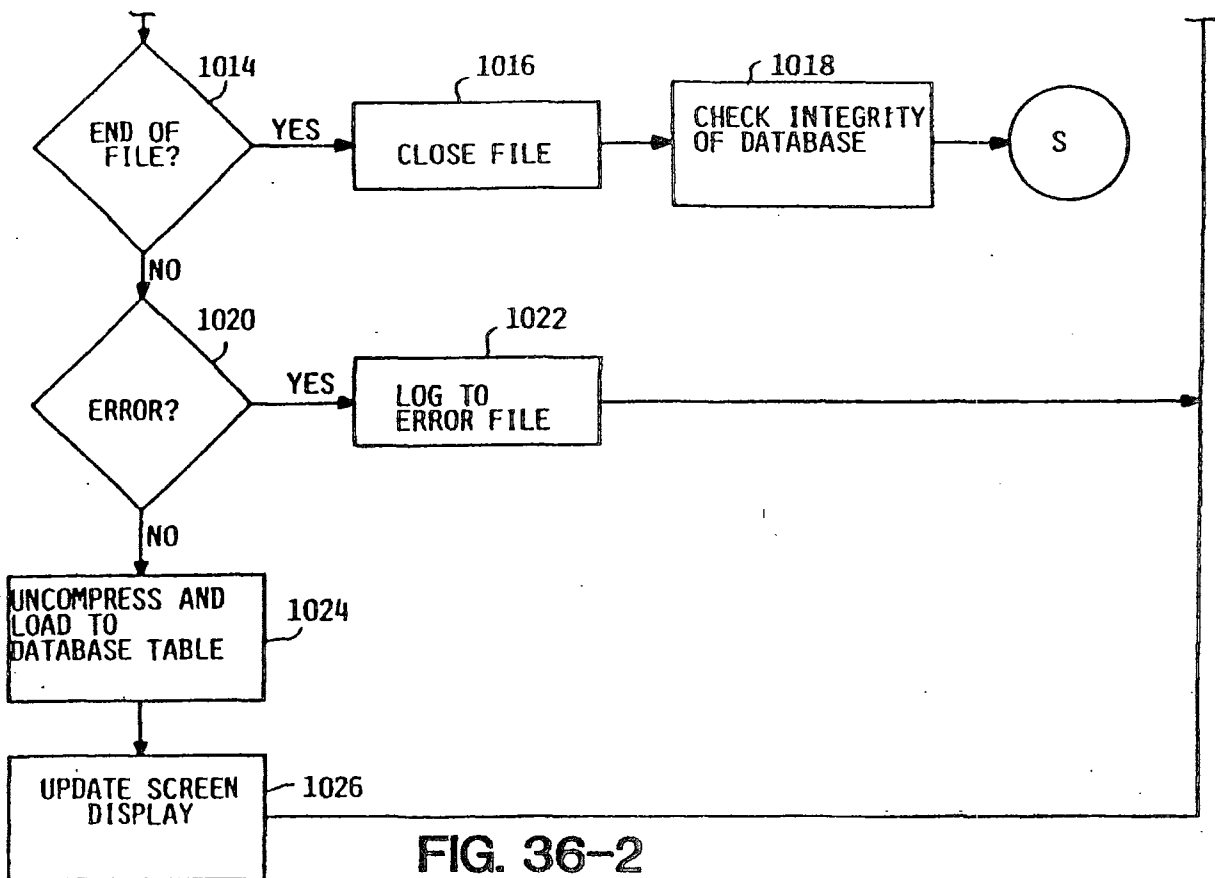


FIG. 36-2

BILLING SYSTEM

This application is a continuation of application Ser. No. 07/393,699 filed Aug. 14, 1989.

REFERENCE TO MICROFICHE APPENDIX

A Microfiche Appendix to this patent application, comprising 5 sheets of microfiche, contains 454 frames of computer program listings illustrating a preferred embodiment of the computer software code contemplated by the invention disclosed herein.

FIELD OF THE INVENTION

This invention relates generally to billing systems, and more particularly to systems for processing and displaying, under the control of a service customer, usage and cost information for services rendered to a customer by a service provider such as a telecommunications company, credit card company, or the like.

The invention relates particularly to systems for processing and displaying, under the control of a telecommunications service customer, usage and cost information for telecommunications services rendered to the customer by a telecommunications service provider, and to systems for providing telecommunications billing information in a form compatible with popularly available personal computers and popularly available personal computer operating systems and database management programs to permit selection, processing and display of usage and cost information under control of the telecommunications customer.

BACKGROUND OF THE INVENTION

Telecommunications costs have become a major expense for many large businesses and other organizations. Today's competitive business climate requires immediate communications between components of an organization and between the organization and its suppliers and customers. This need alone has produced over the last twenty years a dramatic increase in the use of traditional telecommunications services such as ordinary switched telephone service, leased-line telephone service and telex, typically provided by wireline common carriers. In addition, many non-traditional modes of electronic communications, such as facsimile and a variety of computer networking schemes use, as a transmission medium, either traditional or new telecommunications services offered by wireline carriers.

Organizations are under great pressure to reduce telecommunications costs while continuing to make available to their personnel and correspondents telecommunications services of acceptable quality and quantity. In order to minimize costs, attention is increasingly focused on analysis and processing of call-detail records to discover waste, unauthorized use, and savings opportunities which may arise from more efficient selection of carrier facilities.

For example, lengthy calls from a particular station may indicate inappropriate or inefficient use of the telephone by authorized personnel. A large number of calls to a particular geographical region may indicate that leased lines or tie-lines are economically justified. Since many telecommunications services are priced on a distance- and time-of-day-sensitive basis, and since several telecommunications carriers provide differing calling and volume discount plans, customers may avail themselves of additional savings opportunities by appropri-

ately routing traffic over the lowest cost facilities and by contracting for special discounts based on usage information obtained from such analyses. A further requirement for call-detail record processing is to permit large organizations to pass along telecommunications charges to the originating department or other internal unit.

Such analysis and processing is hampered, because even large-volume telecommunications customers typically now receive a paper bill itemizing long-distance calls and other telecommunications charges by originating station. This paper bill is often the exclusive means by which the customer may obtain detailed information concerning telephone calls and other transactions from which charges arise. Further analysis is usually not provided by the carrier.

In order to process and analyze call-detail information on their own, customers have adopted a variety of techniques, but each of these has significant disadvantages. The information on a bill may be analyzed using non-automated methods, but these methods are not feasible for large customers, and even for the smallest customers are extremely expensive and error-prone. Since automated processing is preferred, some customers manually key-punch or machine-scan the paper bill into a computer system. While this approach somewhat reduces the cost of the analysis, the data entry steps remain expensive and error-prone.

Other customers may receive from the carrier a machine-readable tape containing call-detail records, but to the inventors' knowledge these tapes either carry unrated call information (i.e. the records do not include the cost of the call) or lack certain rating details without which it is impossible to exactly reconcile information on the tape with the paper bill. In addition, the type of tape media used, and the manner in which the information is organized on such tapes, require that an expensive mainframe-class computer be used to analyze the data.

Apparatus has also been developed which may be continuously connected to each outgoing station, telephone line or similar facility used by the customer and which records certain details concerning every outgoing transaction or call made over that facility. The records thereby produced may then be processed by a computer to apply an appropriate rating algorithm and arrive at an approximate cost for each transaction. However, since the customer's recording equipment is not identical to the equipment used by the carrier to acquire call-detail records, some discrepancies are virtually sure to occur, and these discrepancies will be propagated to the final results of the analysis. In addition, since the carrier's calling plans and tariffs may change frequently, a great deal of effort is required on the part of the customer to maintain up-to-date and otherwise accurate rating algorithms for processing the records.

Accordingly, the need exists for a system which provides to large-volume telecommunications customers the ability to conveniently and affordably analyze and manipulate call-detail and other telecommunications transaction information by computer, and which provides results which exactly correspond with the information printed on the customer's paper bill.

SUMMARY OF THE INVENTION

This invention contemplates a system combining standard data processing hardware and specially de-

signed software for distributing to large-volume telecommunications or other service customers telephone bills, credit card bills, and the like on diskettes compatible with commonly available small and inexpensive personal computers for customer-directed display and in-depth analysis. In brief, telecommunications or other service customers wishing to receive a diskette telephone or credit card bill subscribe for this service with their carrier or credit card company. A participating telecommunications carrier or credit card company (more generally: a "service provider," or simply "provider") extracts from its data processing facilities appropriately selected billing information for such subscriber. The provider then supplies this information to a "processor", who, according to the invention, segregates the billing data by subscriber, appropriately preprocesses the billing data to produce a variety of in-depth billing analyses in the form of graphs and summary reports, and reorganizes both raw and analyzed billing data into an optimal format for storage, manipulation, and display on commonly-available personal computers. The "processor" writes this information onto one or more diskettes compatible with the subscriber's personal computer, and distributes these diskettes to the subscriber. The subscriber, using an inexpensive personal computer and compatible software according to the invention, can display and analyze the telephone bill with greater efficiency, accuracy and flexibility than possible using the conventional paper bill. By appropriately selecting the billing information obtained from the service provider, the invention provides a telephone, credit card or other bill on diskette which is exactly reconciled with the paper bill.

One aspect of the invention includes an application software package, capable of running on a small computer (such as an IBM Personal Computer or compatible computer), which under the direction of the user can:

1. display the telephone bill (or selected subsets thereof) in its ordinary (paper-like) format;
2. display the bill (or selected subsets thereof) sorted in non-conventional order (e.g. call detail records sorted by length of call);
3. display a variety of preprocessed summary reports and graphs useful in analyzing telecommunications costs; and
4. display non-preprocessed reports according to user-formulated ad-hoc queries.

The information listed above may also be printed or written to a disk file in the user's computer for further processing by other software, such as a commercially available database management program which runs on an IBM-compatible personal computer. Information displayed by the inventive customer software is exactly reconciled with that printed on the customer's paper bill through means described below.

Another aspect of the invention involves the use of appropriate method steps and apparatus and control software for obtaining appropriate billing information from carriers and physically rearranging this information in such a manner that it is optimally pre-processed and reformatted into a form appropriate for efficient and rapid use in subscribers' personal computers, and writing the information in this format on compatible diskettes containing for distribution to subscribers

These functions may be performed by a third party processor engaged in the business of providing such services to service providers and their subscribers, or by

the provider itself or perhaps even by a large corporate subscriber.

In the specific case of telephone billing, the bulk of the billing information used or supplied by a telecommunications carrier to the third-party processor for the purpose of preparing customer bills would consist of telephone-call-detail records including a carrier-assigned customer identification code, the originating station number, the called station number, a billing code classifying the type of call (e.g., night, evening or day), the length of the call, and the actual billed cost of the call according to the carrier's tariffs, volume discounts, and other billing plans. The carrier provides additional billing records to account for equipment rental charges, monthly service fees, payments, adjustments, taxes, and any other items affecting the amount billed to the customer.

According to the invention, the processor receives a subscriber's billing records from the carrier at a stage in the carrier's ordinary billing process after the carrier has posted to the subscriber's account all charges and credits, has performed all billing-related calculations for that subscriber, and is ready to print a paper bill. By selecting this specific stage of carrier bill processing from which to extract billing information, the invention ensures that the information supplied on diskette will exactly correspond to that on the paper bill.

Extensive processing is required to put the information received from a carrier into an optimal form for use on a personal computer. According to the invention, this processing is divided into two stages.

The first stage reformats data received from the carrier, segregates the records pertaining to each subscriber, analyzes billing data for each subscriber to generate a variety of preprocessed summary reports and graphs, and organizes the data into a table format suitable for loading into the particular database system used to manage this data on the subscriber's personal computer. In practice, since it is expected that the processor will receive a large number of records from carriers and the analysis performed on these records is extensive, this first stage of processing would be preferably performed on a mainframe-class computer, and is accordingly referred to hereafter as "mainframe processing."

The second stage of processing receives the information processed by the first stage, compresses this information into a more space-efficient format, for each subscriber writes this information on a diskette compatible with that subscriber's personal computer, and generates quality-control information useful in managing and tracking the production of diskette bills. These second-stage functions can be performed on a network of PC-class computers and is accordingly referred to hereafter as "PC processing."

Once diskette bills are produced in the "PC Processing" system, the resulting diskettes are mailed to customers who may use PC-compatible software according to the invention (the "user application") to display and analyze their bill. When the user receives the diskettes, the information thereon must be decompressed and loaded into a PC database using facilities provided by a user application program according to the invention. This user application preferably uses commercially available database software, such as "RBASE", a popular database package available for IBM-PC-compatible computers, to manage the billing records received on diskette. Except for a small amount of historical information used for certain graphs and summary reports,

the database can contain only one "bill" at any time. When a new bill is received, the previous bill may be archived to a non-database file (flat file) on the user's disk for convenient retrieval. The new bill then replaces the old bill in the user application database.

When writing information into the database, the user application employs commercially available software routines, such as RBASE-specific database interface routines. When reading information from the database, the user application either uses the commercially available interface routines, or a set of proprietary tree traversal routines (disclosed in the Microfiche Appendix) which substantially improve retrieval efficiency when reading sorted data from keyed tables. Thus, while the user application stores information in a database according to the RBASE storage model, the RBASE program per se is not required. However, a customer who happens to own a copy of RBASE could use it to obtain information from the database in ways not provided by the user application.

BRIEF DESCRIPTION OF THE DRAWINGS

These and other features of this invention will be best understood by reference to the following detailed description of a preferred embodiment of the invention, taken in conjunction with the accompanying drawings, in which:

FIG. 1 is a block diagram showing an overview of the data flow in a telephone billing system according to the present invention;

FIGS. 2-1 and 2-2 are a block diagram showing an overview of the data flow in the "Mainframe Processing" segment of the system of FIG. 1;

FIG. 3 is a block diagram showing an overview of the data flow in the "PC processing" segment of the system of FIG. 1;

FIG. 4 is a block diagram showing an overview of the data flow in the "User Application" segment of the system of FIG. 1;

FIG. 5 is a flow chart of the "main processing section" for a first processing program designated TPSB010 which is used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 6-1 and 6-2 are a flow chart of the "initialization" section for the aforesaid first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 7-1 and 7-2 are a flow chart of the "input data editing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 8 is a flow chart of the "call detail accumulation" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 9 is a flow chart of the "station number break processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 10 is a flow chart of the "customer break processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 11 is a flow chart of the "end-of-file processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 12 is a flow chart of the "main processing" section for a second processing program designated TPSB020 which is used in the "Mainframe Processing" segment of FIG. 2;

FIG. 13 is a flow chart of the "initialization" section for the aforesaid second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 14 is a flow chart of the "erroneous customer data rejection" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 15-1 and 15-2 are a flow chart of the "write PC transfer tape records" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 16 is a flow chart of the "end-of-file processing" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 17-1 and 17-2 are a flow chart of a program used in the "PC Processing" segment of FIG. 3 for reading a mainframe-produced tape;

FIGS. 18-1 and 18-2 are a flow chart of a program used in the "PC Processing" segment of FIG. 3 for loading billing data onto PC-compatible diskettes;

FIG. 19 is a flow chart of a program used in the "PC Processing" segment of FIG. 3 for creating a mainframe-readable export tape;

FIG. 20 is a flow chart of the "main-menu" section for a customer-service file maintenance program which can be used in the "PC Processing" network of FIG. 3;

FIG. 21 is a flow chart of the "add new carrier" section for a customer-service file maintenance program of FIG. 20;

FIG. 22 is a flow chart of the "edit existing carrier" section for the customer-service file maintenance program of FIGS. 20 and 21;

FIG. 23 is a flow chart of the "add new customer" section for the customer-service file maintenance program of FIGS. 20-22;

FIG. 24 is a flow chart of the "edit existing customer" section for the customer-service file maintenance program of FIGS. 20-23;

FIG. 25 is a flow chart of the "display errors" section for the customer-service file maintenance program of FIGS. 20-24;

FIG. 26 is a flow chart of the "display reports" section for the customer-service file maintenance program of FIGS. 20-25;

FIG. 27 is a flow chart of the "system maintenance" section for the customer-service file maintenance program of FIGS. 20-26;

FIGS. 28-1 and 28-2 are a flow chart of the "main menu" section for the aforesaid "User Application" program of FIG. 4;

FIGS. 29-1 and 29-2 are a flow chart of the "display billing inquiry" section for the "User Application" program of FIG. 4; FIGS. 30A-1, 30A-2, and 30B are flow charts of the "display call detail" subsection of the "display billing inquiry" section for the "User Application" program of FIG. 4;

FIGS. 31A-1, 31A-2 and 31-B are flow charts of the "display call summary" subsection of the "display billing inquiry" section for the "User Application" program of FIG. 4;

FIG. 32 is a flow chart of the "graph data" section for the "User Application" program of FIG. 4;

FIG. 33-1 and 33-2 are a flow chart of the "graph historical usage" subsection of the "graph data" section for the "User Application" program of FIG. 4;

FIG. 34-1 and 34-2 are a flow chart of the "graph hourly call distribution" subsection of the "graph data" section for the "User Application Program" segment of FIG. 4;

FIGS. 35-1 and 35-2 are a flow chart of the "system utilities" section for the "User Application" program of FIG. 4;

FIGS. 36-1 and 36-2 are a flow chart of the "load new data" subsection of the "system utilities" section for the "User Application Program" segment of FIG. 4.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Overall System Summary

The mainframe processing aspect of the invention involves four major activities: a first sort, an editing and table accumulation program, a second sort, and transfer tape production program. The billing information may be received from one or more telecommunications carriers via magnetic tape, disk, or data communications lines (referred to hereafter for simplicity as "billing tape" or simply "tape"). The information is received in formats roughly corresponding to the logical record layouts according to which that information is stored in each carrier's data processing facilities. Because this information will be obtained from the carrier as unstructured (flat-file) dumps of their accounting databases, records for a particular customer may appear in several files and consequently may be widely distributed along the tape. Therefore, in the first sort, the system first sorts all billing data received on the carrier tape by customer identification code and originating station number to group all records for a specific customer together.

The editing and table accumulation program performs the bulk of the mainframe processing work. This program handles the entire set of records received on the carrier tape in one pass, processing one record at a time. Since these records have been previously sorted by customer identification code and originating station number, each record is edit-checked to ensure that the appropriate type of data is contained in each field. Since the invention contemplates receiving billing information from multiple carriers, a generic internal record format is defined, to which each billing record received from various telecommunications carriers is converted according to a carrier-specific algorithm. For most records in the input stream (and particularly call-detail records), the editing and table accumulation program generates a corresponding output record in the generic format. In addition, this program accumulates data to produce for each customer a variety of precalculated summary reports and graphs which are included on the diskette bill and are thus available for display on the user's personal computer with minimal additional personal computer processing. These include the following:

- number of calls, length, and total call cost for each accounting or project code;
- number of calls, length, and total cost for day, evening and night calls for each carrier;
- number of calls, length, and total cost of calls of each call type;
- number of calls, length, and total cost for day, evening, and night calls to each terminating area code;
- number of calls, length, and total cost for calls of each product type (i.e. carrier's marketing plan);
- number of calls, length, and total cost for day, evening, and night calls from each site or location identifier;

- number of calls, length, and total cost for calls made from each originating station and authorization code;
- graphs showing historical usage by month; and
- graph showing number of calls made by hour of the day.

While these tables could be generated on the subscriber's personal computer by conventional methods using information present in call-detail records without the mainframe preprocessing contemplated by this invention, this would require a time-consuming front-to-back scan of the entire contents of the database. By preprocessing these tables on a computer with greater processing and storage resources, the present invention optimally makes the most commonly-needed reports and graphs immediately available upon the user's request, at the relatively modest expense of additional mainframe processing and additional PC database storage requirements.

In order to pass the preprocessed report information along to the user's personal computer via the diskette bill, the editing and table accumulation program generates new information records in addition to those from the input stream which are merely edited and reformatted. The ultimate target of the carrier-supplied billing information is a database located on the user's personal computer, which database is organized, at the logical level, into a number of tables. To permit subsequent processing steps to identify the information contained in records, each record which is outputted by the editing and table accumulation program has a record-type identifier, specifying the particular database table to which the record belongs.

Two additional activities are performed during the mainframe processing segment to prepare the data for transfer to a "PC Processing" network. After the editing and table accumulation program has completed, a second sorting step sorts the output file by customer identification code and record-type identifier to place the records in an optimal order for creating diskette bills and for loading the information on the diskette into the database on the user's personal computer. At this point, a file exists on the "mainframe" computer in which, for each customer whose billing information appeared on the carrier billing tape, all records are grouped consecutively, and among the records for a particular customer, all records of a specific type are grouped consecutively. A transfer tape production program adds control records expected by the "PC Processing" software at the beginning and end of this file, and surrounding the data for each carrier, customer, and table within the file. The output of the transfer tape production program is then written to a tape which will be transported to the "PC Processing" network.

In order for the customer to display and further analyze this edited and preprocessed information using the customer's personal computer, it must be placed on PC-compatible diskettes. According to the invention, the production of such diskettes is optimally performed using a network of PC-class computers. The diskette production segment is therefore referred to as "PC processing."

The "PC Processing" network reads the tape containing mainframe-processed billing records, and for each customer represented thereon produces one or more diskettes compatible with the customer's personal computer and containing that customer's telephone bill information. The network is preferably implemented

using commercially available IBM Token-Ring hardware and Novelle network software. A Tape Controller PC (TCPC) with a disk drive and a 9-track tape drive is used to read the tapes produced by the mainframe. Two File Server PC's (FSPC's) with large disk drives temporarily store billing information read from mainframe tapes until diskette bills have been successfully prepared. Also stored on the FSPC's is a master database used to track tapes and diskette bills which have been prepared by the system. Several Loader Controller PCs (LCPC's), each controlling an automated diskette loader, manage production of diskette bills. The automated diskette loader includes a diskette drive connected to the LCPC and a mechanical arrangement controlled by the LCPC which can insert and remove diskettes without operator assistance.

The "PC Processing" network operates under the control of several programs which manage the production of diskette bills. A transfer tape transcription program reads information from the mainframe-produced transfer tape. For each tape read, an entry identifying the tape is placed in the master database. For each customer found on the tape, the transfer tape transcription program looks up the customer's record in the master database to determine which size and capacity diskette that customer requires. The transfer tape transcription program then determines which of the automated diskette loaders is capable of producing that diskette, and identifies the least busy loader. The transfer tape transcription program obtains the next available disk control number (DCN) (a tracking number uniquely and serially assigned to each set of diskettes produced by the system) from the master database. The transfer tape transcription program then copies all the data for the current customer from the tape onto a file server subdirectory assigned to the identified loader. The transfer tape transcription program makes a number of house-keeping entries in various database tables and begins processing the next customer's data from the mainframe tape.

On each loader controller PC, an automated loader control program manages the actual production of diskette bills. The automated loader control program continually examines the file server subdirectory assigned to the automated diskette loader it controls. When the automated loader control program finds a file in this subdirectory, it copies the file onto a disk in the loader controller PC, applying a data compression algorithm. Data compression reduces the number of diskettes which must be produced for customers with large numbers of call-detail records. In addition, compression enhances security, since without facilities provided by the user application on the customer's personal computer, the information would be difficult to decode. The automated loader control program then copies the compressed data onto one or more diskettes, instructing the automated loader to insert and remove diskettes as required. When the automated loader control program finishes preparing diskettes for a particular customer, it automatically examines its assigned file server subdirectory to determine if files for additional customers are available.

The master database on the "PC processing" network maintains an inventory of tapes received, diskettes produced, and other customer-service related information. A package of inquiry and update programs is available to customer service agents enabling them to maintain and query this database. When new customers subscribe

to the service, entries are made in the master database. An export tape production program extracts certain customer information from this database (particularly the customer's carrier-assigned identification number and a separate customer ID assigned by the "processor") to produce an export tape which may be sent to the mainframe computer to update customer databases which may be stored thereon.

Detailed System Description

FIG. 1 is a data flow overview of a system in accordance with this invention for distributing PC-compatible diskette telephone bills to large-volume telecommunications customers. In brief, telephone communications customers 24 wishing to receive diskette telephone bills subscribe for this service with their telephone carrier 10. Participating carriers 10 provide appropriately selected billing information 12 for such all participating subscribers to a "processor" company 13 which, according to one aspect of the invention, segregates the billing data by subscriber, performs a mainframe computer preprocessing step 14 to produce a variety of in-depth billing analyses in the form of graphs and summary reports 16, and reorganizes both raw and analyzed billing data into an optimal format 18 for storage, manipulation, and display on commonly available personal computers (referred to herein as "PC's"). The processor 13 then performs a PC processing step 20 which writes this information onto one or more diskettes 22 which are compatible with the subscriber's personal computer, and distributes these diskettes to the subscribers 24. Then the subscriber, using an inexpensive personal computer 25 and PC-compatible software according to another aspect of the invention, can display and analyze a telephone bill with greater efficiency and flexibility than possible using the conventional paper bill. By appropriately selecting the billing information 12 which is obtained from the subscriber's carrier, however, the invention provides a telephone bill on diskette which is exactly reconciled with a standard paper bill supplied by the carrier.

The PC aspect of the invention includes an application software package, capable of running on an IBM-PC-compatible computer 25 and capable (under the direction of the end user) of: 1) displaying the telephone bill or any portions of the telephone bill in its ordinary or paper bill format; 2) displaying the bill or selected portions of the bill sorted in a non-conventional order (for example, call detail records sorted by length of call); 3) displaying a variety of pre-processed summary reports and graphs useful in analyzing the subscriber's telecommunications costs; and 4) displaying non-pre-processed reports according to user-formulated ad-hoc query requests.

But extensive processing is required to put the information 12 received from the carrier into an optimal form for use in a personal computer 25, and it is this processing which is carried out on the mainframe class computer 14. The steps of obtaining and rearranging appropriate billing information obtained from the carrier 10 are outlined in FIGS. 2-1 and 2-2, which is a block diagram showing an overview of the data flow in the "mainframe processing" segment 14 of FIG. 1.

Mainframe Processing

FIGS. 2-1 and 2-2 illustrates a batch program in which billing information from one or more telecommunications carriers 10 is received via magnetic media

or telephone communications channels in formats roughly corresponding to the logical record layouts according to which the information is presently stored in each carrier's data processing facilities. Appropriate data is selected from the carrier's accounting databases and written to tape 46 in an unstructured, flat-file format. The invention contemplates that the records for any given communications customer will most likely appear in several files in a non-serial fashion and consequently will be widely distributed along the length of the tape. Accordingly, a program TPSB010 is responsible for retrieving the information from the tape and performing an extensive and complex mainframe processing procedure in order to reduce the information to a form which is sufficiently compact and compatible to be subsequently manipulated on a personal computer.

The operation of FIGS. 2-1 and 2-2 first performs a sort 48 on the entire input data from tape 46 to produce an intermediate file 50 containing the original information rearranged in customer number and station number order. In step 52 a number identifying the telecommunications carrier for which the bills are to be produced is read. It is contemplated that this information will be retrieved from either an operator's console, an 80-column card, or any other suitable input device. The TBSB010 program shown in step 54 edits and reformats the data into a format that the target PC 25 can process. The processing in step 54 contemplates that abort messages and other operator response or intervention can take place during processing as indicated by step 56. All edit error information and balance control information is compiled in a report 16A, which is a portion of the report output 16 of FIG.

As a result of processing step 54, records in a format designated "PCdata," customer numbers with invalid data, and balance control information all move to respective temporary storage files on respective data storage disks 1, 2, and 3, as shown by steps 60, 68 and 70. In addition to reformatting the original billing records, program TPSB010 accumulates summary reports and graphs for each customer and incorporates this data as additional records in file 60. Each record outputted by program TPSB010 includes a numeric record type identifier. SORT 2 (step 62) reorganizes the records in intermediate file 60 by customer number and record type, placing the results into temporary file 64. For each customer, all records of a particular type are now grouped together.

The data in temporary files 64, 68 and 70 is used by a second mainframe program known as TPSB020 as indicated by step 66. The latter is designed to convert the data into a PC-compatible data stream which is then stored on a 9-track tape medium in step 72. During the processing indicated in step 66 abort messages may be received as shown by step 74. On completion of the processing by program TBSB020 and writing of the final data to the 9-track tape, all edit error information and balance control information is compiled as reports 16B, which corresponds to a portion of the reports indicated at 16 in FIG. 1.

Attention is directed next to FIG. 3 which is a block diagram overview of the data flow in the "PC processing" segment 20 of FIG. 1. The PC processing system has a tape reader 78 which reads the 9-track tape that was prepared in step 72 of FIGS. 2-1 and 2-2. The output of the tape reader 78 is fed to a TCPC (Tape Controller PC) 80, which could be an IBM PC AT class machine, PS/2, or equivalent product having a 20-

megabyte hard disk drive 81. Upon reading the tape information the PC 80 drives printer 82 to prepare an identification label for each individual customer diskette. The PC 80 also drives a second printer 84 which prepares mailing labels for the individual customers' diskettes.

PC 80 stores the data received from the reader 78 on a local area network 83 which includes one or more FSPCs (file server PCs), such as a file server #1, designated 84, and a file server #2, designated 86. This local area network may employ any standard local area network architecture appropriate for micro-class computers such as a ring, token ring, or other distributive area network system. It is also contemplated that this local area network will be driven by software commonly available for local area networks, such as that produced by such companies as Novelle and 3-Com.

For each customer, billing records received from the PC 80 by the local area network are temporarily stored in a file on either file server #1 or file server #2, depending upon a determination by PC 80 as to which server has fewer files waiting to be processed in its queue. Attached to file server #1 is a personal computer labelled 88, and a counterpart is attached to file server #2 designated 90, which are both available for on-line handling of customer service inquiries and updating transactions as necessary.

Each file server 84 and 86 transmits through the local area network individual customer information to be placed upon respective individual customer diskettes by one or more LCPC's (loader control PC's) which may be micro-class personal computers 92, 94, and 96 having respective 20-megabyte fixed disk drives 93, 95 and 97. Attached to each of these micro-computers are respective 5¼" and 3½" floppy diskette loaders 98, 106 and 102 which transfer the individual customer information onto individual customer diskettes of the required size. This data is preferably stored on the floppy disks in a compressed format.

FIG. 4 is a block diagram overview of the data flow in the "user application" segment 24 of FIG. 1. The floppy diskettes 22 (see also FIG. 1) are those which were produced on the loaders 98, 106 and 102 of FIG. 3. Each set of diskettes 22 constitutes an individual customer's telephone bill as supplied by the processor 13 of FIG. 1, arranged in a particular manner that facilitates rapid manipulation by the customer's personal computer running a user application program 105 according to this invention, which has been previously supplied to the customer by the processor 13 or carrier 10 of FIG. 1.

The user application program 105 includes a user application database file 108. This file is maintained on a fixed disk in the user's personal computer and stores the information for a single telephone bill (i.e. a single month's billing for a single customer) for rapid and flexible information retrieval. The database file has a structure compatible with a selected commercially available data base management system program, preferably a program widely sold under the name "RBASE." In step 106, information from a new diskette bill 22 (which was compressed as described in the section discussing FIG. 3) is restored to uncompressed form and loaded into the database file 108. Since the database file 108 may contain only a single month's bill (except for a small amount of historical trend information), each time a new diskette bill 22 is received, any previous bill in the database must first be removed. The

user application program 105 will store such previous bills removed from the database file 108 in non-database (i.e. "flat") archive files 110, which may be reloaded into the data base file 108 from time to time for further analysis.

The user application program then performs a step 112 which selects the appropriate data necessary to prepare reports of different types and extract specific information from the available data base. The resulting reports may then be printed out as standard reports or ad hoc inquiries 114, preprocessed reports 120, graphic reports 126 or a payment coupon for transmission along with payment of the bill to the telecommunications carrier 10. The first three reports can also be written to storage files 116, 122 and 128, or displayed on the video screen of the customer's personal computer 25 as indicated at 118, 124 and 130 respectively.

TPSB010

We now turn our attention to FIG. 5, which is a flow chart showing details of the main loop of the TPSB010 program 54 used in the mainframe processing segment of FIGS. 2-1 and 2-2, and FIGS. 6-1 and 6-2 which is the initialization routine carried out before entering the main loop illustrated in FIG. 5.

Apart from branching to program junction P2 which jumps to other program routines discussed below, the initialization routine of FIGS. 6-1 and 6-2 begins with step 178 where the program reads a carrier control data card 180 (or other information input device) identifying the telephone communications carrier whose individual customer records are currently being processed. Program step 182 then determines whether the carrier identification number is a valid carrier number. If the answer is negative, then in step 184 the program advises the operator of a program abort condition. Then the operator will be required to perform some manual process (step 186) before the program aborts as indicated by step 188. If a valid carrier identification number is detected by the system at step 182, however, then in step 190 the customer information is read from an input file 192, which corresponds to the data file 50 of FIG. 2.

The next step is 194, which detects an abnormal abort condition, i.e. no data at all in the file. If step 194 detects an end-of-file condition, then in step 196 the operator is notified of an abort condition, thus requiring a manual response 198 by the operator, after which the program is aborted at step 200.

If an abnormal end-of-file condition is not detected at step 194, however, then a second end-of-file (EOF) test 194 is performed to detect a normal end-of-file condition, i.e., one which occurs at the conclusion of normal processing. The reason why test 194 only detects abnormal end-of-file conditions is because its input comes from step 190 at the beginning of an input record read. Test 195, in contrast, has a second input coming from program jump P8 in FIG. 5, which occurs repeatedly for each individual record. The affirmative output of step 194, therefore, goes to jump point P3 leading to the end-of-file processing routine described below in connection with FIG. 11. Conversely, the negative output of test 194 goes to step 202 which will initialize the working storage space and set up the control fields for customer processing and proceed to program branch point A4 which enters the main loop of FIG. 5.

At this point step 148 of the main program loop determines whether the program is continuing with the same customer as on the previous processing cycle, or

whether processing of that customer has been completed and processing of a new customer started. It does this by determining whether the current customer ID number is or is not equal to the one processed by the previous processing cycle. If they are not equal, then a new customer is being processed and the program jumps at junction P4 to a customer break processing routine which continues at FIG. 10, described below. Subsequently, the main loop of FIG. 5 is reentered at program junction A5.

If the customer ID's are equal, however, then there is no customer break and the program proceeds in step 154 to test whether there has been a change in the current customer's station ID number. If there has been a change, the program jumps at P5 to the station number break processing routine discussed below in connection with FIG. 9, and the main loop of FIG. 5 is reentered at junction A5.

If the station number continues to be the same as on the last processing cycle, however, then the program jumps at branch point P7 to an input data editing routine discussed below in connection with FIGS. 7-1 and 7-2. The main loop of FIG. 5 is then reentered at point A7, where program step 162 determines whether there are any errors. If there are, the program immediately goes to step 174, to read the next record from temporary file 50 (FIG. 2), and exits through a program jump P8 to the error detection routine described above in connection with FIGS. 6-1 and 6-2.

If there are no editing errors, the program jumps to branch point P6 leading to the call detail accumulation routine of FIG. 8, discussed below, and the main loop of FIG. 5 is reentered at program point A6 leading to step 170 which writes a call detail record (also referred to as "record type 4") to a file 60 on data storage disk 1 (FIGS. 2-1 and 2-2). The program also then goes on to perform step 174 and jump to program point P8 as described above.

We turn next to FIGS. 7-1 and 7-2 for a detailed discussion of the "input data editing" section of "main frame processing" segment TPSB010 of FIGS. 2-1 and 2-2. The overall purpose of this step or process is to determine if an error condition exists as to any of several factors reviewed in the customer's telephone information, and to produce the necessary operator reports and files as to any error conditions detected.

Starting with program jump P7 from FIG. 5 described above, the first step 206 of this data edit process is a determination by the program of whether the customer identification number for the currently processed customer consists of only numeric values and of whether these values are greater than 0. If this determination is negative, then step 208 will notify the system operator that the program is aborting and that the program will be held frozen until the required operator response 210 is received. Then the program will abort as indicated by step 212.

Should the test of step 206 be affirmative, however, then the customer identification information is passed on to step 214 to determine if the telephone station number of the telephone call currently being processed is numeric and has a greater value than 0. If not, then program step 216 will set an error switch. Then at step 218 a determination is made whether the telephone call duration information for the currently processed telephone call is numeric and is greater than 0. If that condition is not true, then an error switch is set in step 220.

In step 222 the program determines whether the charge amount for the currently processed telephone call is numeric and greater than 0. Should that be false then an error switch is set by step 224. Should the charge amount be numeric and greater than 0 the currently processed call information is then passed on to step 226 which determines if an error switch has been activated by any of the above-described steps 216, 220 or 224. If so, the program invokes step 228 to create an error report which may be written directly to disk 2 as described above (step 68 of FIG. 2). The error report created by step 228 also is written by step 232 to another file on disk 1 which corresponds to step 60 of FIG. 2. In any case, the program then sends the currently processed telephone call information on to program junction A7 which reenter it into the main loop data flow of FIG. 5.

For more information regarding the call detail information accumulation process of the "main frame processing" program of FIG. 2, we now turn to the flow chart of FIG. 8. This routine is entered at program jump point P6 coming from the main program loop of FIG. 5 described above. The first step 238 accumulates the total number of calls, their duration, and their charges according to a standard geographic breakdown known as "NPA." The next step 240 does the same accumulation, broken down by call types, i.e., evening, off-hour or daytime full rate calls. The next step 242 does the same accumulation, broken down by customer station number. The information accumulated by steps 238, 240 and 242 is then returned for processing via program jump A6 for reentry into the data flow of the main program loop of FIG. 5.

For a more detailed understanding of the station number break routine we now turn to FIG. 9, which is a flow chart of the station number break processing section of the "mainframe processing" segment TPSB010 of FIGS. 2-1 and 2-2. This routine is entered via program jump point P5 coming from the main loop of FIG. 5. In the first step 246 a "statsum rec" or station summary record (also designated a record type 5) is created and written to output disk 1, corresponding to step 60 of FIGS. 2-1 and 2-2. This is a summary of total telephone usage in terms of the number of calls, call duration and charges, broken down by geographical area and call type, for a given customer calling station. This record is written to file 60 of FIGS. 2-1 and 2-2. The next step 250 accumulates station sum records for all customer stations, broken down by call duration and charges, for the current customer. Then in step 252 the program resets the station accumulation fields and break fields to their initial values before going on the next station for the current customer.

We now come to FIG. 10 which is a flow chart of the customer break processing section of program TPSB010 used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine is entered by way of program jump P4 from the main loop of FIG. 5. The program's first step 258 prepares and writes a "carsum rec" or carrier sum record (also designated record type 3) which covers the same information as the "statsum rec" of FIG. 9 but contains the total figures for all telephone calls and their duration and charges for all customer stations for a given customer and a given telephone carrier. This information is then sent for on-line storage to a file on disk 1, corresponding to step 60 in FIGS. 2-1 and 2-2. Similarly, step 262 prepares and writes to disk 1 (step 60 of FIG. 2) a "NPAsum rec" or

NPA summary record (also designated record type 7) which contains the same information broken down geographically, e.g., by area code. The next step 264 prepares and writes to disk 1 (step 60 of FIG. 2) a "code-sum rec" or code summary record (also designated record type 6) which contains the same information broken down by call type code, i.e., evening, off-hour or daytime full rate calls.

The next step 268 prepares and writes a report 16A (see also FIGS. 2-1 and 2-2), containing customer detail balancing information. Next in step 272 the carrier totals are accumulated, broken down by calls, duration, and charges. Thereafter in step 274 the program resets the customer accumulation fields and customer break fields, after which the program jumps via junction A4 back to the main program loop of FIG. 5.

We now refer to FIG. 11 which is a flow chart of the "end of the file processing" section for processing program TPSB010 used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine starts with program jump P3 from the "end of file" test 194 of the initialization routine of FIGS. 6-1 and 6-2. It then proceeds with step 284 in which the program prepares and writes the information for a carrier control record (also known as record type 1) to disk 1 of FIGS. 2-1 and 2-2, a procedure which corresponds to program step 60 of FIGS. 2-1 and 2-2. Next step 288 prepares and writes a balance control record to disk 2 of FIG. 2, a procedure which corresponds to program step 68 of FIG. 2. Next step 292 writes a balancing report to file 16A of FIG. 2, which corresponds to a portion of report 16 in FIG. 1. Thereafter the entire job is terminated.

TPSB020

For details of the TPSB020 program portion of the main processing procedure illustrated in FIGS. 2-1 and 2-2, we turn first to the flow chart of FIG. 12 which represents the main program loop, and the flow chart of FIG. 13 which represents an initialization routine. The "initialization" procedure of FIG. 13 begins with step 320 which represents the reading of an information stream 321 consisting of information coming from files 64, 68 and 70 and information coming from file 60 after it has been sorted by step 62 in the mainframe processing program of FIGS. 2-1 and 2-2. This information is then written to a temporary online storage file 322. In step 324 this information stream is tested to determine if an end-of-file condition is present. If it is present in step 326 the program immediately sends an abort signal which requires an operator response 328 to abort the system at step 330.

If no end-of-file condition exists, the information stream is sent on to step 332 to test for the presence of type one record, a carrier control record. If a carrier control record is not present the program at step 334 ceases execution and requires an operator response 336 which causes the system to abort at step 338. If the carrier control record is present, then the next step 340 is to set up working storage and control fields, after which the program returns via program jump A12 to the main processing loop of FIG. 12, where it enters at program point P12.

In the main loop of FIG. 12 the system first seeks to determine at step 300 whether an end-of-file condition exists. If so, then there is a program jump A13 to program point P13 in the end-of-file processing routine of FIG. 16, described below. If an end-of-file condition is not encountered, then the input data stream 321 (see

FIG. 2) is read in step 308 and written to an online storage file in step 310 to be used by other portions of the processing system. Step 308 is also executed when the main loop of FIG. 12 is entered at program point P14 coming from jump A14 of the "write PC transmit tape" routine of FIGS. 15-1 and 15-2, discussed below. After step 308 the program exits at point A15 and jumps to entry point P15 of FIG. 14, to which we turn next.

FIG. 14 is a flow chart of the "check customer error" routine of for the processing program TPSB020 used in the "mainframe processing" section of FIGS. 2-1 and 2-2. Entry into the routine of FIG. 14 is at program point P15. The first program step 344 is used to test for an end-of-file condition. If such a condition is present the system must next determine at step 346 whether the customer number was contained on the customer error file 60 (see FIGS. 2-1, 2-2, 7-1 and 7-2). If the answer is yes, then in step 348 that fact is printed in an edit error report 16B (see FIGS. 2-1 and 2-2) which represents a portion of report 16 in FIG. 1. If the answer to test 346 is negative, or after the entry to error report 16B is made, this routine exits at point A12, and reenters the main loop of FIG. 12 at entry point P12.

If the end-of-file test at step 344 is negative, the program must then determine at step 352 whether there is an error, but the error does not affect the customer ID number (i.e., the current customer number equals the correct customer number). If so, then the program at step 354 accumulated the duration and charges and the number of the customer's calls by reading the input file data stream 321 (step 356), writes that information to a temporary file 358, and exits at A16 to the program routine of FIGS. 15-1 and 15-2.

If at step 352 there is an error and the current customer number is not equal to the correct customer number, then the system must determine at step 364 whether the error customer number is greater than the correct customer number. If that condition is found, then the system must determine at step 366 whether the customer was on the error file. If the customer appears on the error file then the information is passed on to be reported on error report 16B mentioned above. Thereafter, or if the result of test 366 is negative, the program exits from this routine at A12 to reenter the main loop at P12 in FIG. 12.

If at step 364 there is an error and the current customer number is not greater than the correct customer number, then the system must determine at step 372 whether the error customer number is less than the correct customer number. If that condition is found, then at step 374 the error information from file 68 (FIGS. 2-1 and 2-2) is read and written to a temporary file 376, after which the routine exits at A12, reentering the main loop of FIG. 12 at P12. If the test performed in step 372 is negative, however, the routine exits at A16 to enter the routine of FIGS. 15-1 and 15-2 at P16.

FIGS. 15-1 and 15-2 is a flow chart of the "write PC transmit tape" section for the TPSB020 processing program used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. It starts out at step 380 where the program determines whether the current record type being processed is the same record type as was previously cycled. If that condition is false then step 382 determines whether a "start" record exists. If so, then the program will write a PC "end" control record to the file in step 384. In either case, it will next determine the corresponding record type in step 386 and in the next step 388 write a "start" PC control record.

In the event of a negative answer to test 380, or after the conclusion of step 388, step 390 then reads the record type of the current record. Steps 392, 400, 406, 412, 418, 424 and 430 in turn then determine if the current record type is 1, 2, 3, 4, 5, 6, or 7 respectively. If it is a record of type 1, then step 394 writes a "carrier control" record to be placed on the nine-track mainframe tape 72 which was discussed in connection with FIGS. 2-1 and 2-2. Similarly, if it is a record of type 2, 3, 4, 5, 6, or 7, then steps 402, 408, 414, 420 426 and 432 respectively writes "customer control, carrsum, calldet, statsum, codesum" and "NPAsum" records respectively to the nine-track mainframe tape 72. In each case, after the tape 72 is written to, the program routine in step 398 accumulates the balancing totals and then exits via program jump A14 to entry point P12 of the main loop, FIG. 12.

FIG. 16 is a flow chart of the "end of file processing" section for the TPSB020 program used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine is entered at program point P13 coming from jump point A13 of the main loop, FIG. 12. At step 436 the program reads the balance information record 438 previously stored online in file 70 of FIGS. 2-1 and 2-2. The program next determines in step 440 whether an end-of-file condition exists. If so, the program in step 442 will notify the operator of a program abort and halt execution until there is an operator response 444, after which the abort step 446 takes place. If the end-of-file test is negative, then a determination must be made whether the accumulated totals are equal to the balance record totals. If not, then in step 450 the program performs an abort sequence 450, 452, 454 similar to the previously described sequence 442, 444, 446.

If the test at step 448 is affirmative, however, then the program's next step 456 is to add the PC end data characters onto the data stream records and write it onto the nine-track tape 72 of FIGS. 2-1 and 2-2, after which the program terminates.

PC Processing

We now turn to the programs used in the "PC processing" segment of FIG. 3 for the reading of a mainframe-produced tape. FIG. 17 is a flow chart of the PC processing system's first program, designated "SBPROC01—read mainframe produced tape." This program begins at step 460 where it reads the output data tape 72 which was created in FIGS. 2-1 and 2-2, and which contains the processed carrier telephone bill data. The program's next step 462 is to obtain the current tape number and log it to a tape control table. (At the same time, the tape creation date and time, the number of records on the tape, the number of customers on the tape and the carrier ID are logged to the tape control table at 462.)

Next, in step 464 the system reads the "start customer" record which in itself is not the data but delimits the data belonging to a particular customer's billing information. The system then goes on to determine if an end of tape condition exists in step 466. If such a condition does not exist then in step 468 the program searches for the customer number in a customer table (CustTab). The program then in step 470 determines the disk type (5 $\frac{1}{4}$ " or 3 $\frac{1}{2}$ "") required for the particular customer by looking at the information in the aforesaid CustTab tables. The program then in step 472 checks the Loader Tab (loader table) to obtain a proper loader number for the required size of target diskette, thus choosing be-

tween 5¼" loaders 98 and 106 on the one hand and 3¼" loader 102 on the other hand. The program then in step 474 goes on to determine which loader (if there is a choice of two or more) has the smallest number of data files in its queue, and selects that one as a means of maintaining an even processing flow to the loaders.

The program in step 476 then reads a system parameters (SysParam) table to determine the next file control number (FCN), after which it updates the SysParam table. Afterward the program at step 478 copies the customer data to the disk file. In step 480 the program then adds a record to update a file control table; and in step 482 it produces a summary report of the transactions just described. If required, at step 484 it produces an error report. The program then loops back and reenters the program sequence at the start customer reading step 464, and recycles.

At step 466, if the determination is that there does exist an end-of-tape condition, then the program proceeds in step 488 to update the tape control tables (TapCnTab) and in step 490 to produce a summary report. If required, in step 492 it produces an error report. At this point, the routine described in FIG. 17 ends.

We now turn to FIGS. 18-1 and 18-2 which is a flow chart of the program referred to as SBPROC02, the loader control program used in the "PC processing" segment of FIG. 3. This loader control program begins its processing in step 494 by reading a configuration file into its memory. This enables the system to determine what is online and what are the requirements of the individual customer diskettes are. The program in step 496 then checks the appropriate subdirectory on the hard disk where the customer data file would be located, and performs a test 498 to determine if there is such a data file.

If the determination in step 498 is that the required data file does not exist, then the program loops infinitely back to steps 496 and 498 until it finds that such a file exists to be processed. By the use of this infinite loop, the system can continually poll or check to see if a file to be processed has been entered into the appropriate subdirectory.

If step 498 determines that such a file does exist, then the program in step 504 seeks out the oldest file in the appropriate directory, and in step 506 it reads and compresses that file and writes it to the local hard disk drive "C:". In step 508 it then gets the next available disk control number from the system parameters table (SysParam) so that it has the information necessary to format the target diskette in the appropriate manner. At the same time this operation updates the system parameter table by incrementing the disk control number by one.

The next program step 510 obtains a copy of the processing file created in step 506 above and copies that processing file to the disk loader in order to create the actual diskette data file. The program then at step 512 prints the disk labels and mailing labels. The next step 514 in the operation obtains from the system parameter (SysParam) tables the next available invoice control number and advises the system parameter table to increment the value by one.

The program then at step 516 creates the appropriate invoice record and prints a paper invoice at step 518 from which the customer can pay the telephone bill. Thereafter the program gets a disk control number (DCN) record (step 520), updates the fields of that re-

cord (step 522), and adds the record to a disk control (DC) table (step 524). It also updates the CustTab table mentioned previously (step 526), prepares a data disk summary report (step 528), and if necessary produces an error report (step 530). Thereafter the program loops back to reenter the subdirectory check step 496 and the described process is repeated as many times as necessary.

FIG. 19 is a flow chart of a program designated SBROC03 used in the "PC processing" segment of FIG. 3 for creating a mainframe-readable export tape. This is used by the mainframe processing system in updating its list of valid customers and producing the appropriate data streams for individual customer billing in future processing cycles. The program begins at step 534 where it reads the aforementioned system parameters (SysParam) table to determine what the next available export tape control (EXN) number is. It then obtains the next record from the aforementioned CustTab tables in step 536, reformats it and writes to the export tape in step 538.

The program next looks for an end-of-file condition in step 540 and if the condition does not exist, it loops back to step 536, to get the next CustTab record. If the end of file condition is affirmative, however, the program in step 544 updates the export tape control tables (ExpCnTab) and in step 546 it prints a summary report of the export tape processing. This terminates the export tape routine.

PC Maintenance Program

We now turn to a program for updating the end-user program as changes in service conditions may require. This program is operated on the computers 88 or 90 of the network of FIG. 3 by the processor company whenever the needs of the telephone company or its subscribers require.

FIG. 20 is a flow chart of the main-menu section for the above-mentioned file maintenance program. The program is menu-driven, and the main menu display 548 allows a determination of what areas the processor wishes to change. In steps 550, 558, 566, 574, 582 and 592 the program determines whether the operator has selected submenu 1 (the carrier menu), submenu 2 (the customer menu), submenu 3 (the error menu), submenu 4 (the reports menu), submenu 5 (the system maintenance menu, or chooses to exit to DOS (the IBM personal computer operating system), respectively. If none of the above are selected, the program loops back to the start and continues to search for an operator selection from the main menu. The submenu choices mentioned above lead to program jump points 1.0, 2.0, 3.0, 4.0 and 5.0 respectively which are traced to their appropriate program routines in the following discussion.

FIG. 21 is a flow chart of the "Add New Carrier" section for the file maintenance program. When the "Add New Carrier" submenu is invoked this routine is entered via program jump 1.0 from FIG. 20. At that point step 596 gives the operator the option of using the escape key on an IBM PC keyboard, and if that key is invoked then the operator is returned to the main menu of FIG. 20 as indicated at step 598. If the escape key is not invoked, then the operator instead may invoke the add-carrier function key, whereupon program step 600 which will produce a data entry display 602 on the video screen.

If the operator inputs new information into the display 602, the program will determine in step 606 if the

new information has a proper carrier ID. If there already exists a carrier ID on file for the new carrier, then the system will display an error message 608 indicating that fact, and the program loops back to step 604 for reentry of the information. If there is no carrier ID on file as determined in step 606, then the program at step 610 will display a query message "Add Record to Carrier File?" If in response to that query message an escape key is actuated, then at step 612 the program will return to submenu 1. If, on the other hand, in response to the "Add Record To Carrier File?" prompt, some other action is taken by the operator, the files will be updated accordingly. In addition, in step 616 the fields of the data entry form 604 will be cleared and the program will back to step 604 to accept further manual data input.

If the operator selects some action other than the add carrier function in step 600, the program exits at point 1.2 to go to another routine illustrated in FIG. 22. The latter figure is a flow chart of the "Edit Existing Carrier" section for the file maintenance program. Another option 618 on the carrier submenu is editing the carrier information. If the operator chooses this option, the program in step 620 asks if the operator wishes to choose a carrier ID which is already on file. The program then determines in step 622 if the chosen carrier ID is in fact on file. If not, the program in step 624 will display an error message and loop back to step 620 to ask again if the operator wishes to use an old carrier ID.

But if at step 622 it is determined that the selected carrier ID is already on file, then the program in step 624 displays the relevant carrier record, and at step 626 asks the operator for any changes to the carrier record. It then updates the carrier record in step 628. If the carrier is to be deleted, the program in step 630 queries the user, and upon receiving an affirmative answer, then in step 632 it carries out the deletion and loops back to submenu 1. If the result of step 630 is in the negative, indicating that the carrier is not to be deleted, the program will also return to submenu 1.

If the edit carrier query of step 618 is answered in the negative, in step 634 the program will ask whether the operator wishes to browse through the carrier files. If the user responds negatively, then the user is returned directly to submenu 1. If the answer is affirmative, then the program in step 636 will display the information contained in the carrier file. When the operator finishes browsing through the carrier file, exit is to submenu 1.

FIG. 23 is a flow chart of the "Add New Customer" section of the file maintenance program used in the "PC Processing" network of FIG. 3. This routine is entered from program point 2.0, which represents a jump from program point 2.0 of FIG. 20. The first determination made by the system at step 638 is whether the operator wishes to exit the display customer menu. An affirmative answer, indicating by invoking the escape key, results in a return to the main menu (step 640). Should the operator choose to invoke some other key, then the "Add Customer" query is displayed in step 642. If the operator does not choose the "Add Customer" option, then the program jumps at 2.2 to the "Edit Existing Customer" section of the file maintenance program, which is discussed below in connection with FIG. 24.

If the operator chooses the "Add Customer" option offered in step 642, then the appropriate data entry form is displayed in step 646. Then in step 648 the system accepts the new information entered into the data form and in step 650 proceeds to check whether the new

customer identification number is already on file. If so, then an error message is sent to the display in step 652 and the program loops back to step 648 to accept new data entry once again. If the new customer ID is not already on file, then the program will proceed in step 654 to add a record to the customer file.

The program in step 656 then offers the operator an option to escape from the current submenu and return to submenu 2 in step 658 if the operator invokes the escape key. Otherwise, the program in step 660 will clear the fields on the data entry form and loop back to step 648 for the acceptance of additional new customer information.

FIG. 24 is a flow chart of the "Edit Existing Customer" section for the customer service file maintenance program. It is entered through program jump 2.2 from FIG. 23 just described. Where the operator invokes the "Edit Customer" option of the customer submenu offered in program step 662, then the program at step 664 accept new customer ID information. The new customer ID information is then evaluated by the program at step 666 and a determination is made as to whether there is already such a customer ID on file. If there is, the appropriate existing customer record is displayed at step 668. Then at step 670 the program accepts changes to the relevant customer record and at step 672 the record is updated. The program then returns to submenu 2 in step 674.

But if at step 666 the customer ID is found not to be on file, the program displays an error display message to that effect and the program then returns to step 664 for the entry of valid new customer ID data.

If at step 662 the operator does not select the edit customer option step 676 offers an option to browse through the customer information file 678 (step 678). After browsing is completed, or if the browse option is refused, the program exits to step 674 and redisplay submenu 2.

FIG. 25 is a flow chart of the "Display Errors" section for the file maintenance program. It is entered through program jump 3.0 from FIG. 20 described above. The program first determines in step 680 if the operator wishes to return to the main menu (step 682), a selection which is invoked by means of the escape key. If the operator chooses some other option, the program at step 684 asks whether the operator wishes to update an error record. If the operator chooses to do so, then the user is presented by program step 686 with an opportunity to input an error entry control number. The system then determines at step 688 if the error control number is on file. If it is, at step 690 the requested error record is displayed. The program then at step 692 affords the operator an opportunity to changes to the error status. If such changes are made, then the program at step 694 updates the error record. At the end of the error record update, the program exits to submenu 3 in step 696.

If in step 688 the determination is that there is no such control number on file, then an error message is displayed in step 698. The program then returns to step 686 for correct entry of error control numbers.

If the operator chooses not to update an error record in step 684, the operator is given an option in step 698 to invoke the browse function for the error file display. If that option is exercised, then in step 700 the error file display is actuated. Afterwards, or if the user does not choose, in step 698 to select the browse function, the program returns to submenu 3 in step 696.

FIG. 26 is a flow chart of the "Display Reports" section for the file maintenance program. The program is entered by program jump 4.0 from FIG. 20. In step 702 it presents an option to exit to the main menu if the escape key is invoked. Otherwise the operator is presented in step 706 with an option to select the report of customers by cycle. If that function is invoked, then the program in step 708 will get the data from the customer file and print it out as a document 710. The program then returns to submenu 4 at step 712.

If the operator elects not to invoke the report of customers by cycle at step 706, then step 712 present the option of obtaining a report of customers with no usage. Should the operator invoke that function, the program at step 714 will get the data from the customer file and print out a customer report 716. The program will then go to submenu 4 in step 712.

Should the report of customers with no usage functionality not be invoked in step 712, then the next menu option will be the report of unacknowledged errors in step 718. If the operator invokes that selection, then the program will at step 720 obtain the data from the error file and in step 722 will print the unacknowledged error report. The program will then again return via step 712 to submenu 4.

Should the user not choose to invoke the report of unacknowledged errors in step 718, there is the remaining option of creating a report of unresolved errors in step 724. If that option is invoked, then the program in step 726 obtains the information from the error file, sends it to a printer to print an unresolved error report 728, and then returns to submenu 4 in step 712. If none of the available functions are not invoked, then the program will return directly to submenu 4.

FIG. 27 is a flow chart of the "System Maintenance" section of the file maintenance program. It is entered through program jump 5.0 from FIG. 20. This module first presents an option in step 730 to return to the main menu by actuating the escape key. If the operator does not exercise that option, the other choice is presented at step 734 to delete inactive customers. If that option is chosen, then the program at step 736 will delete the inactive records from the customer file and at step 738 will delete the associated records from the disk control table (DiskCnTab), the file control table (FileCnTab), and the invoice control tables (InvCnTab). In step 740 a report will then be printed of all of the deleted records. The program then returns to submenu 5 in step 742.

If the operator chooses not to invoke the Delete Inactive Customers function, there is a further option in step 744 of determining whether to perform a backup of files. If that option is invoked, then the program in step 746 performs the backup. After, or if that option is not chosen at step 744, the program returns to submenu 5 at step 742.

End-User-Application Program

We turn next to the "User Application" program summarized in FIG. 4, i.e. the program which is run by the end-users (telephone customers) on their own personal computers to analyze their telephone bills in accordance with the capabilities of this invention.

FIGS. 28-1 and 28-2 are a flow chart of the "Main Menu" section for the user application program, which begins with a sign-on screen display 748 of the publisher's logo and copyright notice. The program then in step 750 fetches an initial message or startup screen or

the like from an information file, and in step 752 displays it on the monitor.

Ignoring for the moment a program entry point M, which will be discussed later, the program in step 756 then displays the main menu of end-user choices. The first option available for selection on this menu level is a help key. If that key is invoked at step 758, then at step 760 the program will display the main help screen for this segment of the end-user processing program, and then loop back to step 756. Should the end-user not invoke the help key, the next possible selection, presented by step 762, is a billing inquiry. When this option is selected, the program will send the end-user to the billing inquiry submenu via program jump B which leads into FIGS. 29-31, discussed below.

If the end-user should not choose the billing inquiry, the next choice available (step 766) is a graph data function. If the end-user makes this choice, he or she will then be taken into the graph data menus of subsequently discussed FIGS. 32-34 via program jump B.

Otherwise in step 770 the user may next select a system utilities option. If that selection is invoked, then the user application program will be taken to a system utility menu via program jump S leading to FIGS. 35-1, 35-2, 36-1 and 36-2, discussed below.

The next available selection is in step 774 which permits the user to exit to DOS, the operating system of the user's personal computer. If the user chooses to invoke that selection, he will be taken into the operating system directly 776, and if the user chooses instead to invoke the escape key to reject all of the preceding choices, then in step 778 the program will also exit to the operating system.

FIGS. 29-1 and 29-2 are the first of five flow charts dealing with the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. It is entered via program jump B from FIG. 28, and begins in step 780 with display of a billing inquiry menu. This menu offers the user the choice of eight options: billing report, financial detail report, call detail report, call summary report, call summary report, display special text, ad hoc inquiry, help, and escape; which are implemented by program steps 782, 802, 806, 810, 818, 826 and 832 respectively.

The billing report option of step 782 and the financial detail report of step 784 are similar in their operation, differing only as to what information is extracted from the available databases for billing and for financial detail. After the user chooses either of these options, the program in step 786 reads from the system parameters (SysParam) file the currently selected output location (i.e., to the screen, to disk, to the serial port, to the parallel port) for the billing or financial detail report, and in step 788 the program then displays the current output location to the screen. The program in step 790 will then accept any changes to the output location, and in step 792 updates the current output location in the SysParam file to make that the new default output location.

Depending on whether the selection of step 782 or that of step 784 was made, the program at step 794 will then get the appropriate report header information from the SysParam file layout and the appropriate data from the revenue file for either the billing report or the financial detail report. The appropriate information is then sent in step 798 to be printed (although if a disk file or the screen had been chosen as the output location in step 786 it would have been written to disk or to the

monitor respectively). At the end of step 798 the program returns via program jump B to initial step 780 in order to redisplay the billing inquiry menu.

If the call detail report is chosen at step 802, program jump B1 goes to the call detail menu of FIGS. 30A-1 and 30A-2, discussed below. Should the user select the call summary report at step 806 then it takes jump B2 to the call summary menu of FIG. 31A.

Step 810 offers a special text option. As presently contemplated, there are three types of special text, but there could be any number. The purpose of the special texts is to provide the system with the same features as a written bill. Standard preambles or preliminary messages may be added to the billing information in the same manner as they appear on paper bills. In addition, an epilogue might be added to the end of the bill text to advise customers of the late status of their account. Other types of material such as banners, headers, footers or textual material might also be added to make the bill more informative and flexible in the manner of a conventional bill. Such special information could be added to the bill by the individual subscriber upon request of the processor or the carrier.

If the user selects the option of step 810, then in step 812 the program gets the special text from an information file and in step 814 displays it on the screen. Then the program returns via jump B to step 780 in order to redisplay the initial billing inquiry menu.

When the user invokes the special ad hoc inquiry option of step 818, at step 820 the program gets the necessary records from the call detail (CallDet) file and in step 822 it displays these records for browsing by the end-user at 822. Afterward, it returns via program jump B to step 780 to redisplay the billing inquiry menu.

If the help function of step 826 is invoked, the program in step 828 will display the billing inquiry help screen, after which it again returns via program jump B to step 780 to redisplay the billing inquiry menu.

The final selection from the billing inquiry menu is the escape key, whereupon step 832 return to the main menu of FIG. 28 via program jump M.

FIGS. 30A-1, 30A-2, 30B-1 and 30B-2 are flow charts of the "Display Call Detail" subsection of the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. The segment represented by FIG. 30A-1 and 30A-2 are entered by way of program jump B1 from FIG. 29, previously discussed, and begins in program step 836 with display of a call detail menu. The options presented to the user by this menu include the report selection function of step 838. If the user actuates that function the program will take program jump B1-2 to FIGS. 30B-1 and 30B-2.

Turning our attention now to that figure, program jump B1-2 leads to step 840 which displays a report selection menu. Then at step 842 the program tests to determine whether one of the reports offered by that menu has been selected. If a report has not been selected and the user invokes the escape key, the program step 844 returns via program jump B1 to FIG. 30A.

If in step 842 the user should select a particular report, then step 846 the appropriate report header data is obtained from the SysParam file so that the report can be properly formatted. The program then in step 848 obtains the current option and report number from a call data record selection (CDRS) file. The option number designates the type of report format requested by the user, and in particular designates how much of the available information is to be included in the report. An

option number of "1" specifies that all of the available information is to be put in a single file, while higher numbers specify that the report is to be broken into several smaller files. The report number is a numerical file name for each of the file(s) containing the report which is to be written to disk.

Accordingly, in step 850 the program tests whether the current option number is greater than 1. If not, then all the available information is to be included in a single file, and the program goes immediately to step 852 where it sorts the call detail records. But if the option number is greater than 1, then a plurality of files must be written to disk under distinct file names (report numbers). In that case step 852 increments each previous report number by 1 and step 854 updates the current report number in the CDRS file so that numerically distinct file names are assigned to each of the several report files which are written to disk. Thereafter in step 855 the program reads the data selection criteria corresponding to the user's choice from the SysParam file, and in step 856 it selects from the call detail file the records designated by those criteria and sends them on for performance of the previously mentioned sort step 852.

After sort step 852, in step 857 the program gets the call detail report output location, i.e., monitor, printer, disk, etc. is determined from the system parameter file. Then, as before, the report is passed on to step 858 in which the system prints the call detail report to the designated device (location).

Returning now to FIG. 30A-1 and 30A-2, the negative branch of test 838 leads to program step 860 which tests whether the selection from the call detail menu of step 836 is the record selection. If so, the program in step 862 then gets the call detail record selection (CDRS) records and the current option number from the system parameter (SysParam) file. This information is then displayed on the screen in step 864, and in step 866 the program accepts any changes the user chooses to make in the displayed information. Finally, in step 868 the SysParam and CDRS files are updated and the program returns via jump B1 to the entry point of FIGS. 30A-1 and 30A-2.

The report location menu option in step 870 permits the user to determine what device, i.e., monitor, screen, export file, printer, disk file, etc. should be the destination of the report to be generated by this area of the program. If this option is chosen, then in step 872 the program gets the current call detail (CD) report location from the SysParam file, and in step 874 the program displays the current output location on the screen, and the user is prompted to make any changes. In program step 876 the program accepts any changes to the report output location, and in step 878 it updates the corresponding information in the call detail report output location records. The program then returns via jump B1 to the display call detail menu at the entry point of FIGS. 30A-1 and 30A-2.

In program step 880 the user may select the help key. If the help key is selected, then in step 882 the call detail report help screen is displayed and the program then returns via jump B1 to the entry point of FIGS. 30A-1 and 30A-2.

The last option available on the menu of FIG. 30A is the selection of the escape key in step 884. Should that key be actuated the program returns via jump B to the entry point of FIG. 29.

FIGS. 31A-1, 31A-1 and 31B are flow charts of the "Display Call Summary" subsection of the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. The segment illustrated in FIGS. 31A-1 and 31A-2 are entered via the B2 program jump which comes from FIG. 29-1 and 29-2, discussed above, and leads first to step 886 which displays a call summary menu. If the user actuates the call summary report selection from that menu in step 888, then the program will exit via program jump B2-2 to FIG. 31B where it performs step 890 to display a report selection menu. If a report is selected from that menu, as determined by step 892, then in step 894 the program gets the report header data from the system parameter file. Thereafter in step 896 it gets further information from the selected summary file, and in step 898 the program computes the report totals. Then in step 900 it gets the call summary output location from the SysParam file, and in step 902 prints the report to the designated location for printing or display or disk storage as determined from the system parameter file. At the end of that process the program returns to step 890 to redisplay the report selection menu.

If in step 892 no report selection is made, and instead the escape key is actuated, the program exits via jump B2 to FIG. 31A.

Returning now to that figure, if the report selection menu is not selected in step 888, and the report location option is selected in step 906, then the program in step 908 will get the current summary report output location (screen, printer or disk file) from the system parameter file, and in step 912 it will display that location to the user so that changes can be made. If such changes are made, then in step 914 the program proceeds to update the current summary report output location in the system parameter file. Having accomplished this, the program returns via jump B2 to the entry point of FIG. 31A in order to redisplay the call summary menu.

The user has two other options on the menu of FIGS. 31A-1 and 31A-2, one of which is a help function selected in step 916. If that choice is made then in step 918 the call summary help screen is displayed. Upon leaving this submenu, the program returns to the via jump B2 to the call summary menu step 886.

The final selection available on this menu is the escape function, which in step 920 leave the call summary menu and moves back up to a higher level menu via program jump B.

FIG. 32 is a flow chart of the "Graph Data" selection for the "User Application" program of FIG. 4. This routine is entered via program jump G from FIGS. 28-1 and 28-2, and proceeds to step 922 which displays the graph data menu. This menu has four choices represented by program steps 924, 926, 930 and 934. If the user chooses the help function of step 924, the graph data help screen will be displayed by step 925, after which the program returns to step 922 to, redisplay the graph data menu.

Among the user's other selectable options are historical usage (step 926), call distribution (step 930) and escape (step 934). If the historical usage function is selected by the user, the program branches via jumps point G1 to FIG. 33. Similarly, if the user selects the call distribution graph (step 930), the program exits via jump G2 FIGS. 34-1 and 34-2. The last available alternative for the user on the graph data menu display is the escape key function (step 934) which terminates the graph data menu display and returns to the main menu

via jump M. FIGS. 33-1, 33-2, 34-1, 34-2, 35-1 and 35-2, to which these jumps lead, will now be discussed.

FIGS. 33-1 and 33-2 are a flow chart of the "graph historical usage" section of the "graph data" portion of the "User Application" program of FIG. 4. It is entered via program jump G1 from FIG. 32, as discussed above, whereupon program step 938 displays the historical graph menu. From that menu the user may select the help function (step 940) which will display the historical graph help screen. On the completion of a help screen session the user will be returned to the historical graph menu of step 938.

Among the other choices on the historical graph menu are the total charges function of program step 944. Once this step is actuated, the program at step 946 will read the call charge (ClChg) tables to obtain the appropriate data to fulfill the request for total charge information graphs. The program then in step 948 computes the necessary graph values and determines the corresponding screen positions for graphic display. The graph thus computed then displayed on the monitor in step 950. At the close of the display graph session, the program returns to the historical graph menu of step 938.

The next two options available to the user from the historical graph menu include that of program step 952, a historical graph illustrating total usage, and that of the total DB/CR (total debit/credit records) function in program step 954, both of which cycle through the above-described steps 946, 948 and 950, returning then to step 938, in the same manner as the total charges selection of program step 944. The DB/CR data relates exclusively to non-call-detail records, such as leased phone lines, leased equipment, and the like; and is to be distinguished from the call detail information called for by steps 944 and 952.

The remaining option in the program section of FIGS. 33-1 and 33-2 are the escape function, which in step 966 will terminate the historical graph menu session and exit via program jump G to the entry point of FIG. 32.

FIGS. 34-1 and 34-2 are a flow chart of the "Graph Hourly Call Distribution" subsection of the "Graph Data" section for the "User Application Program" segment of FIG. 4. It is entered via program jump G2 from FIG. 32, and leads immediately to the call distribution graph of step 958. Should the user then actuate the help selection offered by program step 960, program step 962 will present a screen providing help for the Call Distribution Graph Function. After that help session is completed the program returns to the distribution graph menu step 958.

If the user chooses the month alternative of step 964, the program then will, in step 966, read from the call distribution file table (CallDist file) the necessary information to produce the graph called for. Having obtained that information, the program in step 968 then processes the information to compute the necessary values for determining the graph's appearance on the screen, and in step 970 sends the results on to the display device. At the termination of the graph display the program returns to the distribution graph menu of step 958.

Should the user decide to display the weekly distribution graph of program step 972, the user must advise the system of what specific week of the current month is desired to be graphed (step 974). Similarly, should the user decide to display the daily distribution graph of

program step 976, the user must advise the system of what specific day of the current month is desired to be graphed (step 977). After that is done, in both cases the program then cycles through previously described steps 966, 968 and 970, to display the weekly or daily graphs as the case may be, eventually returning to step 958 in the manner explained above.

The remaining alternative for the user in this particular menu is step 978, the escape function, which terminates the call distribution graph menu session, returning via program jump G to FIG. 32.

FIGS. 35-1 and 35-2 are a flow chart of the "System Utilities" section for the "User Application" program of FIG. 4. It is entered via program jump S from FIGS. 28-1 and 28-2 described above, and goes immediately to a system utilities menu at step 980. Among the choices available from that menu is that of step 982, archiving the data of the current billing cycle. Should the user choose that particular option, in step 984 a "working" message is displayed on the screen while step 986 is executed to archive all the inputted data of the current billing cycle. When the archival processing job is completed, the program then returns via program jump S to step 980 in order to redisplay the system utilities menu.

Among the other menu selections that are available to the user is the load new data function of step 988. When that option is selected, the program exits via jump S2 to a routine described below in connection with FIGS. 36-1 and 36-2.

Next the user may choose (in step 990) to print the actual invoice. Upon selection of that particular menu item the invoice will actually be prepared and printed in step 992, after which the program executes jump S to return to the menu display function of step 980.

Should the user choose the option of step 994, billing information, the program in step 996 will display the billing information on the monitor, after which the program returns via jump S to step 980 to redisplay the system utilities menu.

The next option is the help function 998 offered by step 998. Upon the actuation of that particular selection the program will in step 1000 display the system utility help screen and then return via jump S to the system utilities menu at step 980.

The final alternative selection on this menu is the escape key (step 1002), which terminates the system utilities menu session and returns to the next higher level, the main menu of FIGS. 28-1 and 28-2, via program jump M.

FIGS. 36-1 and 36-2 are a flow chart of the "Load New Data" subsection of the "System Utilities" section for the "User Application Program" segment of FIG. 4. It is entered via program jump S2 from FIG. 35, previously described, whereupon step 1006 will display a message advising the user that the program is being loaded. The system then in step 1008 opens an input file in which will be stored the new data to be loaded and an error file to track all associated error information. The program in step 1010 then writes the start date and time to a log file. The system then in step 1012 fetches from the input file an appropriate record which will subsequently be loaded into the database.

After each such fetch operation the program executes a loop starting with a test 1014 to determine if the fetched data represents an end-of-file condition. If such a condition exists, the load procedure is completed, and accordingly the program in step 1016 will then close the database into which the data has been loaded. Thereaf-

ter, in step 1018 it will check the integrity of the newly created database file. And at the conclusion of the database integrity check, the program will end the loading data session and return to the system utilities menu via program jump S leading back to FIGS. 35-1 and 35-2.

If in step 1014, however, an end-of-file condition is not detected, then in step 1020 the program determines if an error has occurred. If so, in step 1022 the error will be logged to the error file previously created in step 1008, and the program loops back to step 1012 to fetch another record.

The data coming from the source file is in a compressed form, as explained above. Therefore, if the program does not encounter an error in step 1020, then in step 1024 it will use its decompression algorithm to expand the fetched data to make it suitable for subsequent use by the R-base program, and only then will load the data to the target database table.

During loading, the screen informs the user of the processing which is going on. In step 1026, therefore, after each record is expanded and loaded, the screen display is updated to reflect the processing just concluded, and the program recycles back to step 1012, continuing to do so until the end-of-file condition is detected by step 1020.

CONCLUSION

It will now be appreciated that the system of this invention provides a means for preparing on diskette telecommunications or similar bills in an optimal format for further processing, display, and analysis under customer control on popularly-available, inexpensive personal computers.

For each participating customer, the appropriately selected billing records are obtained from the telecommunications carrier. In contrast to prior art systems, the system processes not only call detail records, but additional billing records to account for equipment rental charges, monthly service fees, payments, adjustments, taxes, and any other items affecting the amount billed to the customer. In addition, all billing records are obtained from the carrier at a stage in the carrier's ordinary billing process after the carrier has posted to the subscriber's account all charges and credits, has performed all billing-related calculations for that subscriber, and is ready to print a paper bill. By selecting this specific stage of carrier bill processing from which to extract billing information, the invention ensures that the information supplied on diskette will exactly correspond to that on the paper bill.

Extensive preprocessing of these billing records is performed to place the records in a form compatible for use with inexpensive personal computers, and to provide flexible, efficient access to the original records and to a variety of summary reports and graphs accumulated therefrom. In a first processing step, preferably performed on a large computer, the records are sorted, edited and reformatted into an optimal organization for further processing on a personal computer. In addition, a variety of preprocessed summary reports and graphs are prepared for rapid retrieval on the customer's computer. By preprocessing these summary items on a computer with greater processing and storage resources, the invention optimally makes the most commonly-needed reports and graphs immediately available upon the user's request, at the relatively modest expense of additional mainframe processing and additional PC database storage requirements. In a second step, preferably per-

formed on a network of smaller computers, the reorganized records and summary reports for each customer are separated, compressed, and recorded on diskettes compatible with each customer's personal computer.

A user application program according to the invention on the customer's personal computer conveniently displays and analyzes the billing information supplied on diskette. The customer may retrieve the detailed billing records in a variety of sorted orders, may select a subset of the records for further analysis, may view the preprocessed summary reports and graphs, and may prepare new summary reports on demand. Previous telephone bills are kept in archive files for repeated analysis. Billing information may be displayed on screen, printed on a printer, or written to an unstructured file for analysis beyond that provided by the user application.

This system thus solves many of the disadvantages encountered in prior-art systems for collecting, processing and analyzing billing information under customer control. Diskette bills and the user application program are optimally compatible with popularly available, inexpensive personal computers, eliminating the need for customers to own or operate large, expensive computers and software. The system provides to users billing information in computer-readable form, eliminating expensive and error-prone data-entry and manual processing steps. The system processes complete billing records and obtains these records from originating carriers at the proper stage to ensure that the diskette bills and analysis produced therefrom exactly correspond to the equivalent paper bills.

The above-described embodiment of the invention is merely one example of a way in which the invention may be carried out. Other ways may also be possible, and are within the scope of the following claims defining the invention.

The invention claimed is:

1. A system for presenting information concerning the actual cost of a service provided to a user by a service provider, said system comprising:
 - storage means for storing individual transaction records prepared by said service provider, said transaction records relating to individual service transactions for one or more service customers including said user, and the exact charges actually billed to said user by said service provider for each said service transaction;
 - data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;
 - means for transferring at least a part of said individual transaction records from said storage means to said data processing means;
 - said data processing means generating preprocessed summary reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;
 - means for transferring said individual transaction records including said summary reports from said data processing means to said personal computer data processing means; and
 - said personal computer data processing means being adapted to perform additional processing on said

individual transaction records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said selected records including said exact charges actually billed to said user.

2. A system as in claim 1 wherein: said preprocessing operations include preparation of summary reports and graphs.
3. A system as in claim 1 wherein: said data is reorganized into a table format suitable for loading into an operative data base structure for said personal computer processing means.
4. A system as in claim 3 wherein said data base is RBASE.
5. A system as in claim 1 wherein: said data processing means comprises a first and a second data processor, said first data processor being adapted to perform said selection of said records and said second data processor being adapted to perform said preprocessing of said selected records.
6. A system as in claim 5 wherein means are provided for transferring data from said first data processor to said second data processor.
7. A system as in claim 1 wherein said data processing means comprises a single data processor adapted to perform said selection and said preprocessing operations.
8. A system for presenting, under control of a user, usage and actual cost information relating to telecommunications service provided to said user by a telecommunications service provider, said system comprising:
 - telecommunications service provider storage means for storing records prepared by a telecommunications service provider relating to telecommunications usage for one or more telecommunications subscribers including said user, and the exact charges actually billed to said user by said service provider for said usage;
 - data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;
 - means for transferring at least a part of the records from said service provider storage means to said data processing means;
 - said data processing means generating preprocessed summary reports as specified by the user from said telecommunications usage records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;
 - means for transferring said telecommunications usage records including said summary reports from said data processing means to said personal computer data processing means; and
 - said personal computer data processing means being adapted to perform additional processing on said telecommunications records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said telecommunications usage records including said exact charges actually billed to said user.
9. A system as in claim 8 wherein said records prepared by said telecommunications carrier comprise for

each said telecommunications subscriber all information required for said telecommunications carrier to produce an ordinary telecommunications bill for that telecommunications subscriber.

10. A system as in claim 8 wherein said selected records relating to telecommunications usage and cost comprise at least one telecommunications call detail record corresponding to a unique telecommunications call to be billed to said subscriber, said call having a length determined by said telecommunications carrier.

11. A system as in claim 10 wherein said telecommunications call detail record includes an exact indicia of a charge assessed by said telecommunications carrier to said subscriber for said call.

12. A system as in claim 10 wherein said telecommunications call detail record includes an exact indicia of the length of said call determined by said telecommunications carrier.

13. A system as in claim 10 wherein:

said data processing means creates additional records containing information derived from said preprocessing operations;

an information interchange media means transfers said additional records from said data processing means to said personal computer data processing means;

said personal computer data processing means being adapted to, under the control of a user, perform additional processing on said additional records created by said data processing means; and to present a subset of said additional records as chosen by said user.

14. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a carrier code identifying a carrier through which said call was billed.

15. A system as in claim 14 wherein:

said data processing means, responsive to said carrier code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls billed through said carrier; and stores said summary in carrier summary records on an intermediate storage means in said data processing means.

16. A system as in claim 15 wherein said additional records comprise at least one carrier summary record created by said data processing means.

17. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a site code identifying a customer location from which said call was placed.

18. A system as in claim 17 wherein:

said data processing means, responsive to said site code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls placed from each said customer location; and stores said summary in site code summary records on an intermediate storage means in said data processing means.

19. A system as in claim 18 wherein said additional records comprise at least one site code summary record created by said data processing means.

20. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of an originating station number from which said call was placed.

21. A system as in claim 20 wherein:

said data processing means, responsive to said originating station number indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls placed from each said origination station number; and stores said summary in originating station number summary records on an intermediate storage means in said data processing means.

22. A system as in claim 21 wherein said additional records comprise at least one originating station number summary record created by said data processing means.

23. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a date when said call was placed.

24. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a time when said call was placed.

25. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a locality where said call was terminated.

26. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a political region where said call was terminated.

27. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a terminating station number to which said call was placed.

28. A system as in claim 27 wherein:

said terminating station number indicia includes indicia of a carrier-recognized geographical area to which said call was placed;

said data processing means, responsive to said geographical area indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls placed to each said carrier-recognized geographical area; and stores said summary in geographical area code summary records on an intermediate storage means in said data processing means.

29. A system as in claim 28 wherein said additional records comprise at least one geographical area code summary record created by said data processing means.

30. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a length in time of said call.

31. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a project accounting code to which said call should be attributed.

32. A system as in claim 31 wherein:

said data processing means, responsive to said project accounting code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls to which each said project accounting code was attributed; and stores said summary in project accounting code summary records on an intermediate storage means in said data processing means.

33. A system as in claim 32 wherein said additional records comprise at least one project accounting code summary record created by said data processing means.

34. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a billing classification code associated with said call by said carrier.

35. A system as in claim 34 wherein:

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said data processing means, responsive to said billing classification code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls associated with each said billing classification code; and

stores said summary in billing classification code summary records on an intermediate storage means in said data processing means.

36. A system as in claim 35 wherein said additional records comprise at least one billing classification code summary record created by said data processing means.

37. A system as in claim 12 wherein each said telecommunications call detail record comprises one or more indicia of a call cost associated with said call by said carrier.

38. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of miscellaneous information associated with said call by said carrier.

39. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

40. A system as in claim 8 wherein an information interchange media means in the form of a magnetic disk is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

41. A system as in claim 8 wherein an information interchange media means in the form of a data communications line is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

42. A system as in claim 8 wherein:

said data processing means includes intermediate means for storing a plurality of said selected records for at least two of said subscribers during said preprocessing operations;

each of said selected records comprises at least indicia identifying each said telecommunications subscriber; and

said data processing means is adapted to sort said selected records responsive to said indicia identifying said telecommunications subscriber to group together logically on said intermediate storage means all of said selected records for each said subscriber.

43. A system as in claim 42 wherein:

each of said selected records corresponds to a telecommunications station number and further comprises at least indicia identifying said telecommunications station number; and

said data processing means is adapted to further sort said selected records responsive to said indicia identifying said telecommunication station number to group together logically on said intermediate storage means all of said selected records corresponding to each said telecommunications station number.

44. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed for transferring said selected records from said data processing means to said personal computer data processing means.

45. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed for transferring said selected records from

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said data processing means to said personal computer data processing means.

46. A system as in claim 8 wherein an information interchange media means in the form of a data communications line is employed for transferring said selected records from said data processing means to said personal computer data processing means.

47. A method for presenting information on a personal computer data processing means concerning the actual cost of a service provided to a user by a service provider, said method comprising:

storing individual transaction records prepared by said service provider on a storage means, said transaction records relating to individual service transactions for at least one service customer including said user, and the exact charges actually billed to said user by said service provider for each said service transaction;

transferring at least a part of said transaction records from said storage means to a data processing means;

generating preprocessed summary reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;

transferring said preprocessed individual transaction records including said summary reports from said data processing means to at least one personal computer data processing means;

performing additional processing of said individual transaction records on said at least one personal computer data processing means utilizing said summary reports for expedited retrieval of data;

presenting a subset of said individual transaction records chosen via said at least one personal computer data processing means including said exact charges actually billed to said user; and

said data processing means and said at least one personal computer processing means comprising respective computation hardware means and respective software programming means arranged for directing the activities of said computation hardware means.

48. A method as in claim 47 wherein said records prepared by said service provider comprise for each said service customer all information concerning telecommunications services provided to said service customer and the applicable billing rates required for said service provider to produce an ordinary telecommunications bill for that service customer.

49. A method as in claim 47 wherein said selected records relate to telecommunications usage and cost and comprise at least one telecommunication call detail record corresponding to a unique telecommunications call to be billed to said service customer, said call having a length determined by said service provider.

50. A method as in claim 49 wherein said telecommunications call detail record includes an exact indicia of a charge assessed by said service provider to said service customer for said call.

51. A method as in claim 49 wherein said telecommunications call detail record includes an exact indicia of the length of said call determined by said service provider.

52. A method as in claim 49 wherein each said telecommunications call detail record comprises one or

more indicia of a carrier code identifying a carrier through which said call was billed.

53. A method as in claim 52 wherein:

said data processing means, responsive to said carrier code indicia, accumulates for each said service customer a summary of said telecommunications calls billed through said carrier; and said summary is stored in carrier summary records on an intermediate storage means in said data processing means.

54. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a set code identifying a customer location from which said call was placed.

55. A method as in claim 54 wherein:

said data processing means, responsive to said site code indicia, accumulates for each said service customer a summary of said telecommunications calls placed from each said customer location; and said summary is stored in site code summary records on an intermediate storage means in said data processing means.

56. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of an originating station number from which said call was placed.

57. A method as in claim 56 wherein:

said data processing means, responsive to said originating station number indicia, accumulates for each said service customer a summary of said telecommunications calls placed from each said origination station number; and said summary is stored in originating station number summary records on an intermediate storage means in said data processing means.

58. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a date when said call was placed.

59. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a time when said call was placed.

60. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a locality where said call was terminated.

61. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a political region where said call was terminated.

62. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a terminating station number to which said call was placed.

63. A method as in claim 62 wherein:

said terminating station number indicia includes indicia of a carrier-recognized geographical area to which said call was placed; said data processing means, responsive to said geographical area indicia, accumulates for each said service customer a summary of said telecommunications calls placed to each said carrier-recognized geographical area; and said summary is stored in geographical area code summary records on an intermediate storage means in said data processing means.

64. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a length in time of said call.

65. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a project accounting code to which said call should be attributed.

66. A method as in claim 65 wherein:

said data processing means, responsive to said project accounting code indicia, accumulates for each said service customer a summary of said telecommunications calls to which each said project accounting code was attributed; and

stores said summary in project accounting code summary records on said intermediate storage means.

67. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a billing classification code associated with said call by said service provider.

68. A method as in claim 67 wherein:

said data processing means, responsive to said billing classification code indicia, accumulates for each said service customer a summary of said telecommunications calls associated with each said billing classification code; and said summary is stored in billing classification code summary records on an intermediate storage means in said data processing means.

69. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a call cost associated with said call by said service provider.

70. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of miscellaneous information associated with said call by said service provider.

71. A method as in claim 47 wherein an information interchange media means in the form of a magnetic tape is employed to transfer said selected records from said storage means to said data processing means.

72. A method as in claim 47 wherein an information interchange media means in the form of a magnetic disk is employed to transfer said selected records from said storage means to said data processing means.

73. A method as in claim 47 wherein an information interchange media means in the form of a data communications line is employed to transfer said selected records from said storage means to said data processing means.

74. A method as in claim 47 wherein an information interchange media means in the form of a magnetic tape is employed to transfer said selected records from said data processing means to said personal computer data processing means.

75. A method as in claim 47 wherein an information interchange media means in the form of a magnetic disk is employed to transfer said selected records from said data processing means to said personal computer data processing means.

76. A method as in claim 47 wherein an information interchange media means in the form of a data communications line is employed to transfer said selected records from said data processing means to said personal computer data processing means.

77. A method as in claim 47 wherein:

said data processing means includes intermediate means for storing during said preprocessing operations a plurality of said selected records for at least two of said service customers; each of said selected records comprises at least indicia identifying each said service customer; and

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said data processing means is adapted to sort said selected records responsive to said indicia identifying said service customer to group together logically on said intermediate storage means all of said selected records for each said customer.

78. A method as in claim 77 wherein:

each of said selected records corresponds to a telecommunications station number and further comprises at least indicia identifying said telecommunications station number; and

said data processing means is adapted to further sort said selected records responsive to said indicia identifying said telecommunications station number to group together logically on said intermediate storage means all of said selected records corresponding to each said telecommunications station number.

79. A method as in claim 47 wherein said data processing means includes a first and a second data processor and means for transferring selected records from said first data processor to said second data processor, said first data processor being adapted for selecting said records relating to service usage and exact changes from said transferred transaction records and said second data processor being adapted for said preprocessing of said selected records, said second data processor being further adapted to create additional records con-

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taining information derived from said preprocessing operations for transfer to said personal computer data processing means.

80. A method as in claim 79 wherein said additional records comprise at least one project accounting code summary record created by said second data processing means.

81. A method as in claim 80 wherein said additional records comprise at least one carrier summary record created by said second data processing means.

82. A method as in claim 81 wherein said additional records comprise at least one billing classification code summary record created by said second data processing means.

83. A method as in claim 81 wherein said additional records comprise at least one geographical area code summary record recorded by said second data processing means.

84. A method as in claim 83 wherein said additional records comprise at least one originating station number summary record created by said second data processing means.

85. A method as in claim 84 wherein said additional records comprise at least one site code summary record created by said second data processing means.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,287,270
DATED : February 15, 1994
INVENTOR(S) : Robert M. Hardy, et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3, line 65, insert a period --.-- after "subscribers";
Column 6, line 42, delete the quotation mark " " " and
insert a dash -- - --;
Column 6, line 50, delete "is";
Column 11, line 26, change "TBSBO10" to --TPSBO10--;
Column 11, line 33, insert --1.-- after "Fig.";
Column 11, line 56, change "TBSBO20" to --TPSBO20--;
Column 17, line 18, delete the comma "," after "that";
Column 20, line 10, change "SBROC03" to --SPRPC03--;
Column 26, line 34, delete "men" and insert --menu--;
Column 30, line 41, insert a period --.-- after "customer";
Column 31, line 18, delete "solves" and insert --avoids--;

In the Claim:

Col. 31:

Claim 1, line 51, insert --arranged-- after "means".

Col. 35:

Claim 45, line 67, delete "tape" and insert --disk--.

Signed and Sealed this

Sixth Day of June, 1995



Attest:

BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks

APPEAL,CMP,MANDATE,CLOSED

**U.S. District Court
Southern District of Indiana (Indianapolis)
CIVIL DOCKET FOR CASE #: 1:04-cv-00073-LJM-DKL**

CENTILLION DATA SYSTEMS, LLC v. BELL SOUTH
CORPORATION et al

Assigned to: Judge Larry J. McKinney

Referred to: Magistrate Judge Denise K. LaRue

Case in other court: USCA for the Federal Circuit, 10-
01110

USCA For the Federal Circuit, 10-01131

Federal Circuit, 13-01084

Cause: 35:271 Patent Infringement

Date Filed: 01/12/2004

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Jury Demand: Both

Nature of Suit: 830 Patent

Jurisdiction: Federal Question

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202-772-5840
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V.

Defendant

QWEST

represented by **Dale Buxton, II**
MORRISON & FOERSTER, LLP
12531 High Bluff Drive
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San Diego, CA 92130
Email: dbuxton@mofo.com
PRO HAC VICE
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Fax: (213) 892-5454
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Email: vbelusko@mofo.com
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Indianapolis, IN 46204
(317)636-8000
Fax: (317)636-8027
Email: jriley@rbelaw.com
ATTORNEY TO BE NOTICED

Defendant

**CITIZENS COMMUNICATIONS
COMPANY**

V.

Consol Plaintiff

QWEST CORPORATION
consolidated from 1:04-cv-2076

represented by **Dale Buxton , II**
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

Hector G. Gallegos
(See above for address)
ATTORNEY TO BE NOTICED

J. Manena Bishop
(See above for address)

James W. Riley , Jr.
(See above for address)
ATTORNEY TO BE NOTICED

Vincent J. Belusko
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

Consol Plaintiff

**QWEST COMMUNICATIONS
CORPORATION**
Consolidated from 1:04-cv-2076

represented by **Dale Buxton , II**
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

J. Manena Bishop
(See above for address)
ATTORNEY TO BE NOTICED

James W. Riley , Jr.
(See above for address)
ATTORNEY TO BE NOTICED

V.

Consol Defendant

**CENTILLION DATA SYSTEMS,
LLC**
consolidated 1:04-cv-2076

represented by **Alan M. Freeman**
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

David C. Campbell
(See above for address)
ATTORNEY TO BE NOTICED

Paul M. Honigberg
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

Phillip J. Fowler
(See above for address)
ATTORNEY TO BE NOTICED

Victor M. Wigman
(See above for address)
ATTORNEY TO BE NOTICED

Counter Defendant

CENTILLION DATA SYSTEMS,

represented by **Alan M. Freeman**

LLC

(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

David C. Campbell
(See above for address)
ATTORNEY TO BE NOTICED

Paul M. Honigberg
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

Phillip J. Fowler
(See above for address)
ATTORNEY TO BE NOTICED

Victor M. Wigman
(See above for address)
ATTORNEY TO BE NOTICED

Counter Claimant

**CENTILLION DATA SYSTEMS,
LLC**
consolidated 1:04-cv-2076

represented by **Alan M. Freeman**
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

David C. Campbell
(See above for address)
ATTORNEY TO BE NOTICED

Paul M. Honigberg
(See above for address)
PRO HAC VICE
ATTORNEY TO BE NOTICED

Phillip J. Fowler
(See above for address)
ATTORNEY TO BE NOTICED

Victor M. Wigman
(See above for address)
ATTORNEY TO BE NOTICED

V.

Counter Defendant

QWEST CORPORATION
consolidated from 1:04-cv-2076

represented by **Dale Buxton, II**
(See above for address)
ATTORNEY TO BE NOTICED

Hector G. Gallegos
(See above for address)
ATTORNEY TO BE NOTICED

J. Manena Bishop
(See above for address)

James W. Riley , Jr.
(See above for address)
ATTORNEY TO BE NOTICED

Vincent J. Belusko
(See above for address)
ATTORNEY TO BE NOTICED






Counter Defendant















**QWEST COMMUNICATIONS
CORPORATION**
Consolidated from 1:04-cv-2076















represented by **Dale Buxton , II**
(See above for address)
ATTORNEY TO BE NOTICED















J. Manena Bishop
(See above for address)
ATTORNEY TO BE NOTICED















James W. Riley , Jr.
(See above for address)
ATTORNEY TO BE NOTICED












Date Filed	#	<u>clear</u>	Docket Text
01/12/2004	<u>1</u>	 2.19MB	COMPLAINT against BELL SOUTH CORPORATION, CONVERGYS CORPORATION, MID AMERICA COMPUTER CORPORATION, QWEST, TELEPHONE DATA SYSTEMS, INC. AND TRAQ-WIRELESS, INC. with JURY DEMAND, filed by Plaintiff, CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A, part 1# <u>2</u> Exhibit A, part 2# <u>3</u> Exhibit A, part 3)(KLS,) (Entered: 01/13/2004)
01/12/2004	<u>2</u>	 65.50KB	CIVIL COVER SHEET filed by Plaintiff, CENTILLION DATA SYSTEMS, LLC. (KLS,) (Entered: 01/13/2004)
01/12/2004	<u>3</u>	 38.08KB	MAGISTRATE JUDGE's NOTICE of Availability to Exercise Jurisdiction (KLS,) (Entered: 01/13/2004)
01/12/2004	<u>4</u>	 12.66KB	RECEIPT #102 3197 in the amount of \$ 150.00 for filing fee. (KLS,) (Entered: 01/13/2004)
01/12/2004	<u>5</u>		CORPORATE DISCLOSURE STATEMENT filed by Plaintiff, CENTILLION DATA SYSTEMS, LLC. (KLS,) (Entered: 01/13/2004)












		29.84KB	01/13/2004)
02/25/2004	<u>6</u>	 2.27MB	AMENDED COMPLAINT against all defendants, filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A part 1# <u>2</u> Exhibit A part 2# <u>3</u> Exhibit A part 3# <u>4</u> Exhibit A part 4) (PLM,) (Entered: 02/26/2004)
03/17/2004	<u>7</u>	 20.68KB	Summons Issued as to Citizens Communication Company. (YOL,) (Entered: 03/19/2004)
03/17/2004	<u>8</u>	 20.25KB	Summons Issued as to QWEST. (YOL,) (Entered: 03/19/2004)
03/17/2004	<u>9</u>	 20.66KB	Summons Issued as to CONVERGYS CORPORATION. (YOL,) (Entered: 03/19/2004)
03/17/2004	<u>10</u>	 19.08KB	Summons Issued as to BELL SOUTH CORPORATION. (YOL,) (Entered: 03/19/2004)
03/22/2004	<u>11</u>	 39.61KB	RETURN of Service by CMRRR by CENTILLION DATA SYSTEMS, LLC. BELL SOUTH CORPORATION served on 3/22/2004. (no date on green card) (Attachments: # <u>1</u> Exhibit) (MAC,) (Entered: 03/23/2004)
03/22/2004	<u>12</u>	 38.39KB	RETURN of Service by CMRRR by CENTILLION DATA SYSTEMS, LLC. CONVERGYS CORPORATION served on 3/19/2004. (Attachments: # <u>1</u> Exhibit)(MAC,) (Entered: 03/23/2004)
03/24/2004	<u>13</u>	 51.72KB	RETURN of Service by CMRRR by CENTILLION DATA SYSTEMS, LLC. QWEST served on 3/24/2004. (YOL,) (Entered: 03/25/2004)
03/29/2004	<u>14</u>	 51.72KB	RETURN of Service by CMRRR Citizens communications Company served on 3/22/04 by CENTILLION DATA SYSTEMS, LLC. (YOL,) (Entered: 03/30/2004)
04/01/2004	<u>15</u>	 6.22KB	NOTICE of Appearance by Joel E. Tragesser on behalf of CONVERGYS CORPORATION (Tragesser, Joel) (Entered: 04/01/2004)
04/01/2004	<u>16</u>	 7.55KB	NOTICE of Parties' First Extension of Time by CONVERGYS CORPORATION (Tragesser, Joel) (Entered: 04/01/2004)
04/01/2004	<u>17</u>	 6.23KB	NOTICE of Appearance by Randall R. Riggs on behalf of CONVERGYS CORPORATION (Riggs, Randall) (Entered: 04/01/2004)
04/01/2004	<u>18</u>	 6.22KB	NOTICE of Appearance by James Dimos on behalf of CONVERGYS CORPORATION (Dimos, James) (Entered: 04/01/2004)
04/06/2004	<u>19</u>	 15.85KB	MOTION to Appear pro hac vice - <i>Mark D. Wegener</i> by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Motion to Appear Pro Hac Vice - Mark D. Wegener) (Tragesser, Joel) (Entered: 04/06/2004)













04/06/2004	<u>20</u>	 15.81KB	MOTION to Appear pro hac vice - <i>Edward Han</i> by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Motion to Appear Pro Hac Vice - Edward Han)(Tragesser, Joel) (Entered: 04/06/2004)
04/06/2004	<u>21</u>	 15.68KB	MOTION to Appear pro hac vice - <i>Matthew J. Moore</i> by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Motion to Appear Pro Hac Vice - Matthew Moore) (Tragesser, Joel) (Entered: 04/06/2004)
04/06/2004	<u>22</u>	 35.09KB	NOTICE of Parties' First Extension of Time by BELLSOUTH CORPORATION (YOL,) (Entered: 04/07/2004)
04/06/2004	<u>23</u>	 26.25KB	NOTICE of Appearance by Michael A. Swift on behalf of BELLSOUTH CORPORATION (YOL,) (Entered: 04/07/2004)
04/06/2004	<u>24</u>	 13.22KB	RECEIPT #107-1751 in the amount of \$ 90.00. Pro hac vice fee for Mark Wegner, Edward Han, Matthew Moore. (YOL,) (Entered: 04/07/2004)
04/07/2004	<u>30</u>	 28.53KB	NOTICE of Appearance by Jay G. Taylor on behalf of BELLSOUTH CORPORATION (YOL,) (Entered: 04/12/2004)
04/07/2004	<u>31</u>	 29.92KB	NOTICE of Appearance by John F. Prescott Jr on behalf of BELLSOUTH CORPORATION (YOL,) (Entered: 04/12/2004)
04/09/2004	<u>25</u>	 22.66KB	ORDER granting <u>21</u> Motion to Appear pro hac vice. Attorney Matthew J. Moore for CONVERGYS CORPORATION added . Signed by Judge William T. Lawrence on 4/9/04 -cm. (EAH,) (Entered: 04/09/2004)
04/09/2004	<u>26</u>	 22.75KB	ORDER granting <u>20</u> Motion to Appear pro hac vice. Attorney Edward Han for CONVERGYS CORPORATION added . Signed by Judge William T. Lawrence on 4/9/04 -cm. (EAH,) (Entered: 04/09/2004)
04/09/2004	<u>27</u>	 22.73KB	ORDER granting <u>19</u> Motion to Appear pro hac vice. Attorney Mark D. Wegener for CONVERGYS CORPORATION added . Signed by Judge William T. Lawrence on 4/9/04 -cm. (EAH,) (Entered: 04/09/2004)
04/09/2004	<u>35</u>	 19.23KB	Summons Issued as to TRAQ-WIRELESS, INC.. (YOL,) (Entered: 04/12/2004)
04/12/2004	<u>28</u>	 22.63KB	CORRECTED DOCUMENT - Please disregard document re <u>27</u> Order on Motion to Appear pro hac vice which was Docketed in Error. Corrected document has been attached to this entry. (JHO) (Entered: 04/12/2004)
04/12/2004	<u>29</u>	 11.68KB	NOTICE of Voluntary Dismissal by CENTILLION DATA SYSTEMS, LLC (Campbell, David) (Entered: 04/12/2004)
04/12/2004	<u>32</u>	 38.45KB	NOTICE of Appearance by James W. Riley Jr. on behalf of QWEST (Riley, James) (Entered: 04/12/2004)














04/12/2004	<u>33</u>	 53.05KB	NOTICE of Parties' First Extension of Time by QWEST (Riley, James) (Entered: 04/12/2004)
04/12/2004	<u>34</u>	 20.05KB	Summons Issued as to TELEPHONE DATA SYSTEMS, INC.. (YOL,) (Entered: 04/12/2004)
04/13/2004	<u>36</u>	 53.43KB	RETURN of Service by CMRRR by CENTILLION DATA SYSTEMS, LLC. TRAQ-WIRELESS, INC. served on 4/12/2004. (YOL,) (Entered: 04/15/2004)
04/14/2004	<u>37</u>	 53.13KB	RETURN of Service by CMRRR by CENTILLION DATA SYSTEMS, LLC. TELEPHONE DATA SYSTEMS, INC. served on 4/12/2004. (YOL,) (Entered: 04/15/2004)
04/19/2004	<u>38</u>	 13.18KB	MOTION for Default Judgment as to by all plaintiffs. (Cohen, Hamish) (Entered: 04/19/2004)
04/19/2004	<u>39</u>	 9.68KB	Submission <i>Judgment & Order Granting Motion for Default</i> by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 04/19/2004)
04/19/2004	<u>40</u>	 0.68MB	NOTICE of Appearance by John R. Schaibley III on behalf of TELEPHONE DATA SYSTEMS, INC. (Schaibley, John) (Entered: 04/19/2004)
04/19/2004	<u>41</u>	 48.99KB	NOTICE by TELEPHONE DATA SYSTEMS, INC. of <i>Initial Enlargement of Time</i> (Schaibley, John) (Entered: 04/19/2004)
04/19/2004	<u>42</u>	 0.68MB	NOTICE of Appearance by Stacy L. Prall on behalf of TELEPHONE DATA SYSTEMS, INC. (Prall, Stacy) (Entered: 04/19/2004)
04/20/2004	<u>43</u>	 36.34KB	ORDER re <u>29</u> Notice of Voluntary Dismissal filed by CENTILLION DATA SYSTEMS, LLC. cm Signed by Judge Larry J. McKinney on 4/20/04. (YOL,) (Entered: 04/20/2004)
04/29/2004	<u>44</u>	 67.39KB	MOTION to Withdraw as Attorneys for BELLSOUTH CORPORATION by Michael A. Swift and Jay G. Taylor. (Attachments: # <u>1</u> Text of Proposed Order)(YOL,) (Entered: 05/03/2004)
04/29/2004	<u>45</u>	 34.34KB	ORDER granting <u>38</u> Motion for Default Judgment as to Citizens Communication Co. Further, the Court sets this matter for hearing on Pltf's damages for 5/20/04 at 10:00AM in Courtroom 202.cm Signed by Judge Larry J. McKinney on 4/29/04. (YOL,) (Entered: 05/03/2004)
05/03/2004	<u>46</u>	 52.76KB	NOTICE of Appearance by Sydney L. Steele on behalf of Citizens Communications Company (Steele, Sydney) (Entered: 05/03/2004)
05/07/2004	<u>47</u>	 16.12KB	Unopposed MOTION for Extension of Time to File (<i>Second</i>) by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Tragesser, Joel) (Entered: 05/07/2004)
05/07/2004	<u>48</u>		ORDER granting <u>44</u> Motion to Withdraw appearance. Attorney's Jay G. Taylor, John F. Prescott and Michael A. Swift terminated. cm













		 123.06KB	Signed by Judge Larry J. McKinney on 5/7/04. (YOL,) (Entered: 05/10/2004)
05/13/2004	<u>49</u>	 151.78KB	MOTION for More Definite Statement by QWEST. (Attachments: # <u>1</u> Text of Proposed Order on Motion for More Definite Statement) (Riley, James) (Entered: 05/13/2004)
05/14/2004	<u>50</u>	 105.65KB	Joint MOTION to Vacate Default Judgment by Citizens Communications Company. (Attachments: # <u>1</u> Text of Proposed Order)(Steele, Sydney) (Entered: 05/14/2004)
05/14/2004	<u>52</u>	 49.02KB	NOTICE of Appearance by Cory Brundage on behalf of BELLSOUTH CORPORATION (YOL,) (Entered: 05/18/2004)
05/14/2004	<u>53</u>	 118.64KB	MOTION for Extension of Time for Bellsouth Corporation to answer or otherwise respond to the complaint. c/s by Deft BELLSOUTH CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (YOL,) (Entered: 05/18/2004)
05/17/2004	<u>51</u>	 123.60KB	MOTION to Appear pro hac vice by Citizens Communications Company. (Attachments: # <u>1</u> Text of Proposed Order)(Steele, Sydney) (Entered: 05/17/2004)
05/17/2004	<u>57</u>	 37.81KB	MOTION to Appear pro hac vice to admit attorneys, Michael O. Warnecke, David R. Melton and Douglas L. Sawyer, filed by Sydney L. Steele, KROGER GARDIS & REGAS, LLP, on behalf of Defendant, Citizens Communications Company. c/s (KLS,) (Entered: 05/19/2004)
05/17/2004	<u>58</u>	 12.74KB	RECEIPT #101 1706 in the amount of \$ 90.00 to pay in full the fee for document #57. (KLS,) (Entered: 05/19/2004)
05/18/2004	<u>54</u>	 63.08KB	ANSWER to Amended Complaint by Citizens Communications Company.(Steele, Sydney) (Entered: 05/18/2004)
05/18/2004	<u>55</u>	 96.52KB	ORDER granting <u>47</u> DEFENDANT CONVERGYS'UNOPPOSED MOTION FOR SECOND EXTENSION OF TIME. cm Signed by Judge Larry J. McKinney on 5/18/04. (YOL,) (Entered: 05/19/2004)
05/19/2004	<u>56</u>	 44.95KB	ORDER granting <u>50</u> Joint Motion to vacate default judgment and vacating the hearing set for 5/20/04. cm Signed by Judge Sarah Evans Barker on 5/19/04. (YOL,) (Entered: 05/19/2004)
05/20/2004	<u>59</u>	 133.46KB	SCHEDULING ORDER: Initial Pretrial Conference set for 6/10/2004 08:30 AM in room #277 before Magistrate Judge William T. Lawrence. The parties shall file the CMP no less than seven days prior to the pretrial conference. Signed by Judge William T. Lawrence on 5/20/2004. c/m WTL (TMA,) (Entered: 05/20/2004)
05/21/2004	<u>60</u>	 98.61KB	MOTION to Appear pro hac vice of <i>Thomas D. Rein and Steven Yovits</i> by TELEPHONE DATA SYSTEMS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Schaibley, John) (Entered: 05/21/2004)
05/21/2004	<u>63</u>	 51.20KB	CORPORATE DISCLOSURE STATEMENT. c/s by BELLSOUTH













			CORPORATION. (YOL,) (Entered: 05/25/2004)
05/21/2004	<u>64</u>	 58.57KB	MOTION to Dismiss for Lack of Personal Jurisdiction. c/s by BELLSOUTH CORPORATION. (YOL,) (Entered: 05/25/2004)
05/21/2004	<u>65</u>	 0.72MB	BRIEF in Support of <u>64</u> MOTION to Dismiss for Lack of Personal Jurisdiction. c/s filed by BELLSOUTH CORPORATION. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3)(YOL,) (Entered: 05/25/2004)
05/21/2004	<u>66</u>	 42.17KB	RECEIPT #101-1711 in the amount of \$ 60.00. <u>60</u> Pro Hac Vice fee for Attorneys Thomas D. Rein and Steven Yovits. (YOL,) (Entered: 05/25/2004)
05/24/2004	<u>61</u>	 136.64KB	ORDER granting <u>51</u> Motion to Appear pro hac vice. Attorney Michael O Warnecke for Citizens Communications Company, David R. Melton for Citizens Communications Company, Douglas L. Sawyer for Citizens Communications Company added, granting <u>57</u> Motion to Appear pro hac vice. Attorney Michael O Warnecke for Citizens Communications Company, David R. Melton for Citizens Communications Company, Douglas L. Sawyer for Citizens Communications Company added. cm Signed by Judge Larry J. McKinney on 5/24/04. (YOL,) Modified on 6/7/2004 (YOL,). (Entered: 05/24/2004)
05/24/2004	<u>62</u>	 23.21KB	MOTION for Extension of Time to File <i>Response to QWEST's Motion for More Definite Statement</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Campbell, David) (Entered: 05/24/2004)
05/26/2004	<u>68</u>	 43.77KB	ORDER GRANTS <u>53</u> BellSouth to and including 5/21/04 to file answer . Signed by Judge Larry J. McKinney on 05/26/04. (KJM) (Entered: 05/27/2004)
05/27/2004	<u>67</u>	 98.42KB	MOTION for Extension of Time to File <i>Answer or to Otherwise Respond to First Amended Complaint</i> by TELEPHONE DATA SYSTEMS, INC.. (Attachments: # <u>1</u> Text of Proposed Order) (Schaibley, John) (Entered: 05/27/2004)
05/28/2004	<u>69</u>	 26.24KB	NOTICE of Appearance by Holiday W. Banta on behalf of TRAQ-WIRELESS, INC. (Banta, Holiday) (Entered: 05/28/2004)
05/28/2004	<u>70</u>	 28.72KB	CORPORATE DISCLOSURE STATEMENT by TRAQ-WIRELESS, INC.. (Banta, Holiday) (Entered: 05/28/2004)
06/01/2004	<u>71</u>	 63.22KB	MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A - Declaration of Tammy Rohrer in Support of Convergys Corporation's Motion to Dismiss# <u>2</u> Text of Proposed Order)(Tragesser, Joel) (Entered: 06/01/2004)
06/01/2004	<u>72</u>	 31.76KB	BRIEF/MEMORANDUM in Support re <u>71</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) filed by CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 06/01/2004)














06/01/2004	<u>73</u>	 9.72KB	CORPORATE DISCLOSURE STATEMENT by CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 06/01/2004)
06/01/2004	<u>74</u>	 55.40KB	Joint MOTION for Extension of Time to File <i>an Answer or Otherwise Plead on Behalf of Defendant Traq-Wireless, Inc.</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Banta, Holiday) (Entered: 06/01/2004)
06/04/2004	<u>75</u>	 24.01KB	MOTION for Extension of Time to File <i>Response to BellSouth's Motion to Dismiss for Lack of Personal Jurisdiction</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David) (Entered: 06/04/2004)
06/07/2004	<u>76</u>	 48.69KB	ORDER granting defendant TRAQ-WIRELESS, INC.'s <u>74</u> Motion for Extension of Time to File a responsive pleading through 6/9/2004. Signed by Judge William T. Lawrence on 6/7/2004. c/m (LSC,) (Entered: 06/07/2004)
06/07/2004	<u>77</u>	 146.15KB	ORDER granting <u>60</u> MOTION to Appear pro hac vice of <i>Thomas D. Rein and Steven Yovits</i> filed by TELEPHONE DATA SYSTEMS, INC.cm Signed by Judge Larry J. McKinney on 6/7/04. (YOL,) (Entered: 06/07/2004)
06/07/2004	<u>78</u>	 57.99KB	Joint MOTION for Extension of Time to File <i>an Answer or Otherwise Plead on Behalf of Defendant Traq-Wireless, Inc.</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Banta, Holiday) (Entered: 06/07/2004)
06/08/2004	<u>79</u>	 3.42MB	RESPONSE in Opposition re <u>49</u> MOTION for More Definite Statement filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E, Part 1# <u>6</u> Exhibit E, Part 2# <u>7</u> Text of Proposed Order 1# <u>8</u> Text of Proposed Order 2)(Campbell, David) (Entered: 06/08/2004)
06/08/2004	<u>80</u>	 76.53KB	CASE MANAGEMENT PLAN TENDERED by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 06/08/2004)
06/09/2004	<u>81</u>	 28.79KB	Submission of Signature Requirement re <u>80</u> Case Management Plan Tendered by <i>Plaintiff</i> by TRAQ-WIRELESS, INC.. (Banta, Holiday) (Entered: 06/09/2004)
06/09/2004	<u>83</u>	 47.67KB	NOTICE of Substitution of Appearance and withdrawl of counsel. c/s Deft Bellsouth Corporation.Cory Stephen Brundage is replaced by Mr. Trevor R. Carter on behalf of BELLSOUTH CORPORATION. (YOL,) (Entered: 06/14/2004)
06/09/2004	<u>84</u>	 40.74KB	NOTICE of Appearance by Paul D. Vink, S. Andrew Burns, R. Trevor Carter on behalf of BELLSOUTH CORPORATION (YOL,) (Entered: 06/14/2004)
06/10/2004	<u>82</u>		ORDER granting <u>75</u> MOTION for Extension of Time to File Response to BellSouth's Motion to Dismiss for Lack of Personal

		 19.82KB	Jurisdiction. cm Signed by Judge William T. Lawrence on 6/10/04. (YOL,) (Entered: 06/10/2004)
06/14/2004	<u>85</u>	 194.92KB	MOTION to Appear pro hac vice by BELLSOUTH CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Carter, R.) (Entered: 06/14/2004)
06/14/2004	<u>86</u>	 194.03KB	MOTION to Appear pro hac vice by BELLSOUTH CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Carter, R.) (Entered: 06/14/2004)
06/14/2004	<u>87</u>	 64.31KB	ENTRY: Parties appear by counsel for initial pretrial conference on 6/10/04. Conference held and concluded without further order. SCHEDULING ORDER: Status Conference set for 7/22/2004 03:00 PM in room #277 before Magistrate Judge William T. Lawrence. Signed by Judge William T. Lawrence on 6/14/04. (JHO) (Entered: 06/14/2004)
06/14/2004	<u>88</u>	 44.70KB	ORDER granting <u>78</u> Motion for Enlargement of Time up to and including 6/16/04 for Defendant Traq-Wireless, Inc. to Answer or Otherwise Plead. Signed by Judge William T. Lawrence on 6/14/04. (JHO,) (Entered: 06/14/2004)
06/14/2004	<u>89</u>	 65.63KB	ORDER granting <u>67</u> Agreed Motion for Extension of Time up to and including 7/2/04 for defendant Telephone and Data Systems, Inc. to answer or otherwise repond to First Amended Complaint. Signed by Judge William T. Lawrence on 6/14/04. (JHO) (Entered: 06/14/2004)
06/14/2004	<u>90</u>	 25.03KB	ORDER granting <u>62</u> Agreed Motion for Extension of Time up to and including 6/8/04 for Plaintiff to submit its Reponse to Defendant Qwest's motion for a more definite statement. Signed by Judge William T. Lawrence on 6/14/04. (JHO) (Entered: 06/14/2004)
06/14/2004	<u>97</u>	 12.48KB	RECEIPT #104-1942 in the amount of \$ 60.00. Pro Hac Vice Fee for Bose McKinney and Evans. (YOL,) (Entered: 06/16/2004)
06/15/2004	<u>91</u>	 195.91KB	ORDER: CASE MANAGEMENT APPROVED AS AMENDED. Signed by Judge William T. Lawrence on 6/15/04. (JHO) (Entered: 06/15/2004)
06/15/2004	<u>92</u>	 92.11KB	ORDER granting <u>49</u> Defendant QWEST's Motion for More Definite Statement , Signed by Judge William T. Lawrence on 6/15/04. (JHO) (Entered: 06/15/2004)
06/15/2004	<u>93</u>	 220.06KB	2nd AMENDED COMPLAINT against all defendants, filed by CENTILLION DATA SYSTEMS, LLC.(JHO) (Entered: 06/15/2004)
06/15/2004	<u>94</u>	 58.56KB	*****PLEASE DISREGARD-FILED IN ERROR*****Joint MOTION for Extension of Time to File <i>Answer or Otherwise Plead on behalf of Traq-Wireless, Inc.</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Banta, Holiday) Modified on 6/16/2004 (JHO). (Entered: 06/15/2004)

06/15/2004	<u>95</u>	 14.12KB	NOTICE by CENTILLION DATA SYSTEMS, LLC re <u>71</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) - <i>Extension of Time to Respond</i> (Cohen, Hamish) (Entered: 06/15/2004)
06/16/2004	<u>96</u>	 58.57KB	Joint MOTION for Extension of Time to File <i>Answer or Otherwise Plead on behalf of Traq-Wireless, Inc.</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Banta, Holiday) (Entered: 06/16/2004)
06/18/2004	<u>98</u>	 113.95KB	ORDER granting <u>85</u> Motion to Appear pro hac vice. Attorney Richard P Vitek for BELLSOUTH CORPORATION added.cm Signed by Judge William T. Lawrence on 6/18/04. (YOL,) (Entered: 06/18/2004)
06/18/2004	<u>99</u>	 103.88KB	ORDER granting <u>86</u> Motion to Appear pro hac vice of Attorney D. Randall Ayers for BELLSOUTH CORPORATION. cm Signed by Judge William T. Lawrence on 6/18/04. (YOL,) (Entered: 06/18/2004)
06/23/2004	<u>100</u>	 45.34KB	ORDER granting <u>96</u> Joint Motion for Extension of Time up to and including 7/2/04 to File Answer or Otherwise Plead on behalf of Traq-Wireless, Inc. . Signed by Judge William T. Lawrence on 6/23/04. (JHO) (Entered: 06/23/2004)
06/28/2004	<u>101</u>	 31.96KB	MOTION for Extension of Time to File by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 06/28/2004)
06/30/2004	<u>102</u>	 98.57KB	MOTION for Extension of Time to File <i>Answer or otherwise respond to the Second Amended Complaint</i> by TELEPHONE DATA SYSTEMS, INC.. (Attachments: # <u>1</u> Text of Proposed Order) (Schaibley, John) (Entered: 06/30/2004)
07/01/2004	<u>103</u>	 30.73KB	ORDER granting <u>101</u> Plaintiff's Motion for Extension of Time up to and including 8/6/04 to submit its Response to Defendant BellSouth's Motion to Dismiss for Lack of Personal Jurisdiction. Signed by Judge William T. Lawrence on 7/1/04. (JHO) (Entered: 07/01/2004)
07/02/2004	<u>104</u>	 88.07KB	MOTION to Dismiss <i>for Lack of Personal Jurisdiction</i> by Citizens Communications Company. (Steele, Sydney) (Entered: 07/02/2004)
07/02/2004	<u>105</u>	 258.06KB	BRIEF/MEMORANDUM in Support re <u>104</u> MOTION to Dismiss <i>for Lack of Personal Jurisdiction</i> filed by Citizens Communications Company. (Attachments: # <u>1</u> Exhibit)(Steele, Sydney) (Entered: 07/02/2004)
07/02/2004	<u>106</u>	 34.59KB	NOTICE of Appearance by James W. Riley Jr. on behalf of QWEST (Riley, James) (Entered: 07/02/2004)
07/02/2004	<u>107</u>	 37.61KB	MOTION to Appear pro hac vice (<i>Blank Rome, LLP</i>) by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David) (Entered: 07/02/2004)
07/02/2004	<u>108</u>		MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) by QWEST.

		38.25KB	(Riley, James) (Entered: 07/02/2004)
07/02/2004	<u>109</u>	 146.47KB	BRIEF/MEMORANDUM in Support re <u>108</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) filed by QWEST. (Attachments: # <u>1</u> Exhibit A-Affidavit of Stephen Brilz)(Riley, James) (Entered: 07/02/2004)
07/02/2004	<u>110</u>	 69.64KB	ANSWER to Amended Complaint (<i>Second</i>) and Jury Demand by QWEST.(Riley, James) (Entered: 07/02/2004)
07/02/2004	<u>111</u>	 46.57KB	RESPONSE in Opposition re <u>71</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) filed by CENTILLION DATA SYSTEMS, LLC. (Campbell, David) (Entered: 07/02/2004)
07/02/2004	<u>112</u>	 38.88KB	Joint MOTION to Dismiss <i>Defendant Traq-Wireless, Inc. With Prejudice</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Banta, Holiday) (Entered: 07/02/2004)
07/02/2004	<u>113</u>	 1.03MB	Submission of Evidence in Support of Response in Opposition to <i>Convergys Motion to Dismiss</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A through G)(Campbell, David) (Entered: 07/02/2004)
07/06/2004	<u>114</u>	 98.01KB	NOTICE by BELLSOUTH CORPORATION REGARDING <i>BELLSOUTH CORPORATION'S RESPONSE TO CENTILLION'S SECOND AMENDED COMPLAINT</i> (Carter, R.) (Entered: 07/06/2004)
07/06/2004	<u>115</u>	 13.28KB	RECEIPT #101-1916 in the amount of \$ 210.00. Pro hac vice fee for Bingham Mchale. (YOL,) (Entered: 07/07/2004)
07/07/2004	<u>116</u>	 59.85KB	ORDER granting <u>102</u> Motion for Extension of Time to respond or answer the second amended complaint. cm Signed by Judge William T. Lawrence on 7/7/04. (YOL,) (Entered: 07/08/2004)
07/13/2004	<u>117</u>	 42.38KB	ORDER granting <u>107</u> Motion to Appear pro hac vice. Attorney Michael C. Greenbaum for CENTILLION DATA SYSTEMS, LLC, Michael D. White for CENTILLION DATA SYSTEMS, LLC, Peter S. Weissman for CENTILLION DATA SYSTEMS, LLC, Denise Lane-White for CENTILLION DATA SYSTEMS, LLC, Leonard D. Steinman for CENTILLION DATA SYSTEMS, LLC, Mary Matterer for CENTILLION DATA SYSTEMS, LLC added . Signed by Judge William T. Lawrence on 7/13/04. (JHO) (Entered: 07/13/2004)
07/15/2004	<u>118</u>	 17.90KB	NOTICE of Voluntary Dismissal by CENTILLION DATA SYSTEMS, LLC (Campbell, David) (Entered: 07/15/2004)
07/15/2004	<u>119</u>	 26.33KB	MOTION for Extension of Time to File <i>Response to Qwest Corp.'s Motion to Dismiss for Lack of Personal Jurisdiction</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David) (Entered: 07/15/2004)
07/16/2004	<u>120</u>	 85.34KB	STIPULATION of Dismissal by <i>Centillion Data Systems</i> and by TELEPHONE DATA SYSTEMS, INC.. (Schaibley, John) (Entered: 07/16/2004)

			07/16/2004)
07/19/2004	<u>121</u>	 36.02KB	REPLY in support of Motion re <u>71</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) filed by CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 07/19/2004)
07/19/2004	<u>122</u>	 204.12KB	MOTION to Appear pro hac vice by QWEST. (Attachments: # <u>1</u> Text of Proposed Order Granting Leave to Appear Pro Hac Vice) (Riley, James) (Entered: 07/19/2004)
07/20/2004	<u>123</u>	 107.72KB	CLOSED DISMISSED- Order granting stipulation of dismissal. cm Signed by Judge Larry J. McKinney on 7/20/04. (YOL,) (Entered: 07/20/2004)
07/20/2004			Case reopened. Case was closed in error. Stipulation dismisses Telephone and Data Systems. cm Signed by Judge Larry J. McKinney on 7/20/04. (YOL,) (Entered: 07/20/2004)
07/20/2004	<u>127</u>	 22.97KB	RECEIPT #104-2060 in the amount of \$ 60.00. Pro hac vice fee for Belusko and Gallegos. (YOL,) (Entered: 07/23/2004)
07/21/2004	<u>124</u>	 29.00KB	MOTION to Appear pro hac vice (<i>H. Keeto Sabharwal</i>) by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David) (Entered: 07/21/2004)
07/21/2004	<u>126</u>	 16.10KB	RECEIPT #102-4521 in the amount of \$ 30.00. Pro hac vice fee for Sabharwal. (YOL,) (Entered: 07/22/2004)
07/22/2004	<u>125</u>	 184.51KB	STIPULATION of Dismissal <i>Without Prejudice</i> by Citizens Communications Company. (Attachments: # <u>1</u> Text of Proposed Order)(Steele, Sydney) (Entered: 07/22/2004)
07/23/2004	<u>128</u>	 69.50KB	ENTRY: Parties appear for status conference on 7/22/04. Conference held and concluded without further order. Signed by Judge William T. Lawrence on 7/23/04. (JHO) (Entered: 07/23/2004)
07/24/2004	<u>129</u>	 62.23KB	STIPULATION of Dismissal of <i>Traq-Wireless, LLC with Prejudice</i> by CENTILLION DATA SYSTEMS, LLC, TRAQ-WIRELESS, INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Banta, Holiday) (Entered: 07/24/2004)
07/26/2004	<u>130</u>	 0.61MB	MOTION for Leave to File <i>Surreply in Opposition to Convergys' Motion to Dismiss for Lack of Personal Jurisdiction</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B)(Cohen, Hamish) (Entered: 07/26/2004)
07/27/2004	<u>131</u>	 27.62KB	ORDER granting <u>124</u> Motion to Appear pro hac vice. Attorney H. Keeto Sabharwal for CENTILLION DATA SYSTEMS, LLC added. Signed by Judge William T. Lawrence on 7/27/04. (JHO) (Entered: 07/27/2004)
07/28/2004	<u>132</u>	 116.48KB	ORDER Granting <u>122</u> MOTION for Vince Belusko and Hector Gallegos to Appear pro hac vice filed by QWEST. Signed by Judge William T. Lawrence on 7/28/04. (JHO) (Entered: 07/28/2004)

07/30/2004	<u>133</u>	 131.13KB	ORDER granting stipulation of DISMISSAL - TRAQ-WIRELESS, INC. terminated.cm Signed by Judge Larry J. McKinney on 7/30/04. (YOL,) (Entered: 07/30/2004)
07/30/2004	<u>134</u>	 202.09KB	ORDER GRANTING <u>125</u> STIPULAITON OF DISMISSAL filed by Citizens Communications Company. CM Signed by Judge Larry J. McKinney on 7/30/04. (YOL,) (Entered: 07/30/2004)
08/03/2004	<u>135</u>	 0.83MB	MOTION for Protective Order by QWEST. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E# <u>6</u> Exhibit F)(Riley, James) (Entered: 08/03/2004)
08/03/2004	<u>136</u>	 493.75KB	BRIEF/MEMORANDUM in Support re <u>135</u> MOTION for Protective Order filed by QWEST. (Attachments: # <u>1</u> Exhibit G)(Riley, James) (Entered: 08/03/2004)
08/05/2004	<u>137</u>	 28.89KB	Third MOTION for <i>Enlargement of Time (Agreed)</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A)(Cohen, Hamish) (Entered: 08/05/2004)
08/10/2004	<u>138</u>	 26.47KB	ORDER granting <u>137</u> Plaintiff's Third Motion for time, thru 9/6/04, to respond to BellSouth's motion to dismiss. Signed by Judge William T. Lawrence on 08/10/2004. c/m WTL (TMA,) (Entered: 08/10/2004)
08/17/2004	<u>139</u>	 30.85KB	Second MOTION for <i>Enlargement of Time to Respond to Defedant Qwest Corporation's Motion to Dismiss for Lack of Personal Jurisdiction</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A)(Cohen, Hamish) (Entered: 08/17/2004)
08/18/2004	<u>140</u>	 21.30KB	MOTION for <i>Extension of Time to Respond to Written Discovery Requests and Requests for Admission</i> by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Tragesser, Joel) (Entered: 08/18/2004)
08/18/2004	<u>141</u>	 12.48KB	Submission of <i>Tendered Order</i> by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 08/18/2004)
08/20/2004	<u>142</u>	 36.66KB	ORDER granting <u>130</u> Plaintiff's Motion for Leave to File Surreply in Opposition to Convergys' Motion to Dismiss for Lack of Personal Jurisdiction . Signed by Judge William T. Lawrence on 08/20/2004. c/m WTL (TMA) (Entered: 08/23/2004)
08/20/2004	<u>143</u>	 21.86KB	SURREPLY re <u>71</u> MOTION to Dismiss for Lack of Jurisdiction (<i>Personal</i>) filed by CENTILLION DATA SYSTEMS, LLC. c/s (TMA) (Entered: 08/23/2004)
08/20/2004	<u>144</u>	 0.57MB	SUPPLEMENTAL DESIGNATION OF EVIDENCE IN SUPPORT re <u>143</u> SURREPLY filed by CENTILLION DATA SYSTEMS, LLC. c/s (TMA) (Entered: 08/23/2004)
08/25/2004	<u>145</u>	 26.47KB	ORDER granting <u>140</u> Defendant Convergys' Motion for Extension of Time, to and including 30 days after the Court issues its ruling on Convergys' motion to dismiss, to Respond to Written Discovery

































































			Requests and Requests for Admission. Signed by Judge William T. Lawrence on 08/25/2004. c/m WTL (TMA) (Entered: 08/25/2004)
08/26/2004	<u>146</u>	 51.08KB	MOTION for Reconsideration re <u>145</u> Order on Motion, by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Affidavit Affidavit of Counsel# <u>2</u> Text of Proposed Order Order Granting Motion to Reconsider)(Cohen, Hamish) (Entered: 08/26/2004)
08/31/2004	<u>147</u>	 18.23KB	RESPONSE in Opposition re <u>146</u> MOTION for Reconsideration re <u>145</u> Order on Motion, filed by CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 08/31/2004)
09/03/2004	<u>148</u>	 20.67KB	REPLY in support of Motion re <u>146</u> MOTION for Reconsideration re <u>145</u> Order on Motion, <i>Granting Convergys' Motion for Ext. of Time to Resp. to Written Disc. and Req for Admissions</i> filed by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 09/03/2004)
09/09/2004	<u>149</u>	 89.09KB	ORDER DIRECTING Filing of a Pleading Authorizing Dismissal - The Court has been advised by counsel that a settlement between Plaintiff and Defendant BellSouth Corporation has been reached in this action. Therefore, all pending motions, if any, are now DENIED AS MOOT and all previously ordered dates relating to discovery, filings, schedules, conferences and trial, if any, are VACATED. Signed by Judge William T. Lawrence on 9/9/04 -cm. (EAH,) (Entered: 09/10/2004)
09/24/2004	<u>150</u>	 19.97KB	ORDER denying <u>146</u> Plaintiff's Motion for Reconsideration. Signed by Judge William T. Lawrence on 09/24/2004. c/m WTL (TMA,) (Entered: 09/24/2004)
09/29/2004	<u>151</u>	 24.53KB	MOTION to Compel <i>Jurisdictional Discovery by Qwest</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David) (Entered: 09/29/2004)
09/29/2004	<u>152</u>	 2.85MB	BRIEF/MEMORANDUM in Support re <u>151</u> MOTION to Compel <i>Jurisdictional Discovery by Qwest</i> filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5# <u>6</u> Exhibit 6# <u>7</u> Exhibit 7# <u>8</u> Exhibit 8# <u>9</u> Exhibit 9# <u>10</u> Exhibit 10# <u>11</u> Exhibit 11)(Campbell, David) (Entered: 09/29/2004)
09/29/2004	<u>153</u>	 16.31KB	Statement (<i>Rule 37.1</i>) for Motion to Compel <i>Jurisdictional Discovery by Qwest</i> by CENTILLION DATA SYSTEMS, LLC. (Campbell, David) (Entered: 09/29/2004)
10/04/2004	<u>154</u>	 20.39KB	STIPULATION of Dismissal (<i>Joint</i>) by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A)(Cohen, Hamish) (Entered: 10/04/2004)
10/14/2004	<u>155</u>	 0.63MB	RESPONSE in Opposition re <u>151</u> MOTION to Compel <i>Jurisdictional Discovery by Qwest and Supplement to Motion for Protective Order</i> filed by QWEST. (Attachments: # <u>1</u> Exhibit H# <u>2</u>











			Exhibit I# <u>3</u> Exhibit J# <u>4</u> Exhibit K)(Riley, James) (Entered: 10/14/2004)
10/14/2004	<u>156</u>	 105.45KB	Statement of <i>Qwest Communications International Inc. Pursuant to S.D. Ind. L.R. 37.1</i> by QWEST. (Riley, James) (Entered: 10/14/2004)
10/14/2004	<u>157</u>	 207.11KB	ORDER grants the stipulation of dismissal with prej all costs and attnys fees previously paid as to deft-Bellsouth Corp. All of pltf's remaining claims brought against any and all remaining defts shall remain pending cm Signed by Judge Larry J. McKinney on 10/14/04. (CBU,) (Entered: 10/18/2004)
10/21/2004	<u>158</u>	 0.59MB	REPLY in support of Motion re <u>151</u> MOTION to Compel <i>Jurisdictional Discovery</i> by <i>Qwest</i> filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 12# <u>2</u> Exhibit 13# <u>3</u> Exhibit 14# <u>4</u> Exhibit 15# <u>5</u> Exhibit 16# <u>6</u> Exhibit 17)(Campbell, David) (Entered: 10/21/2004)
10/22/2004	<u>159</u>	 3.03MB	RESPONSE in Opposition to <i>Qwest's Supplement to Motion for Protective Order and in Support of Centillion's Request for Extension of Time to Respond to Written Discovery</i> filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5# <u>6</u> Exhibit 6# <u>7</u> Exhibit 7# <u>8</u> Exhibit 8# <u>9</u> Exhibit 9# <u>10</u> Exhibit 10)(Campbell, David) (Entered: 10/22/2004)
10/27/2004	<u>160</u>	 10.24KB	SCHEDULING ORDER: Status Conference set for 11/12/2004 01:30 PM in room #277 before Magistrate Judge William T. Lawrence. All Indianapolis counsel shall appear in person. Out of state counsel may participate by telephone. Signed by Judge William T. Lawrence on 10/27/2004. c/m WTL (TMA,) (Entered: 10/27/2004)
10/28/2004	<u>161</u>	 79.99KB	REPLY in support of Motion re <u>135</u> MOTION for Protective Order (<i>Supplemental</i>) filed by QWEST. (Riley, James) (Entered: 10/28/2004)
11/15/2004	<u>162</u>	 203.25KB	ENTRY - Parties appear by counsel for pretrial status conference on 11/12/04. ORDER granting in part and denying in part <u>151</u> Motion to Compel Jurisdictional Discovery. Further, the Court DENIES defendants' Supplement to Motion for Protective Order. Signed by Judge William T. Lawrence on 11/15/2004. c/m WTL (TMA,) (Entered: 11/15/2004)
11/17/2004	<u>163</u>	 12.49KB	SCHEDULING ORDER: Settlement Conference set for 1/12/2005 09:30 AM in room #277 before Magistrate Judge William T. Lawrence. Signed by Judge William T. Lawrence on 11/17/2004. c/m WTL (TMA,) (Entered: 11/17/2004)
12/08/2004	<u>164</u>	 82.04KB	ORDER denies <u>71</u> defendant Convergys Corporation's Motion to Dismiss for Lack of Jurisdiction. Signed by Judge Larry J. McKinney on 12/08/04. (GJQ) (Entered: 12/08/2004)
12/09/2004	<u>165</u>		Submission of <i>Protective Order</i> by CONVERGYS CORPORATION,










		34.18KB	QWEST, CENTILLION DATA SYSTEMS, LLC. (Riley, James) (Entered: 12/09/2004)
12/09/2004	<u>166</u>	 48.24KB	PROTECTIVE ORDER. Signed by Judge William T. Lawrence on 12/9/04. (JHO) (Entered: 12/09/2004)
12/13/2004	<u>167</u>	 29.89KB	ORDER granting <u>139</u> Plt's Second Agreed Motion for Enlargement of Time to respond to Motion to Dismiss. Signed by Judge William T. Lawrence on 12/10/04. (JHO) (Entered: 12/13/2004)
01/10/2005	<u>168</u>	 26.41KB	ANSWER to Amended Complaint (<i>Second</i>), COUNTERCLAIM against CENTILLION DATA SYSTEMS, LLC by CONVERGYS CORPORATION.(Tragesser, Joel) (Entered: 01/10/2005)
01/14/2005	<u>169</u>	 10.84KB	ENTRY - Parties appear in person and by counsel for settlement conference on 1/12/05. Conference held and concluded without further order. SCHEDULING ORDER: Status Conference between Convergys Corp. and Centillion Data Systems, LLC, set for 2/24/2005 09:30 AM in room #277 before Magistrate Judge William T. Lawrence. Signed by Judge William T. Lawrence on 01/14/2005. c/m WTL (TMA,) (Entered: 01/14/2005)
01/21/2005	<u>170</u>	 0.90MB	MOTION to Consolidate Cases by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A)(Cohen, Hamish) (Entered: 01/21/2005)
01/31/2005	<u>171</u>	 14.38KB	ANSWER to Counterclaim by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 01/31/2005)
02/04/2005	<u>172</u>	 38.80KB	RESPONSE to Motion re <u>170</u> MOTION to Consolidate Cases <i>Non-Opposition by Qwest Entities</i> filed by QWEST. (Riley, James) (Entered: 02/04/2005)
02/11/2005	<u>173</u>	 11.44KB	REPLY in support of Motion re <u>170</u> MOTION to Consolidate Cases filed by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 02/11/2005)
02/14/2005	<u>174</u>	 61.02KB	ORDER denying as moot <u>108</u> Motion to Dismiss for Lack of Jurisdiction in light of the current consolidation. Granting <u>170</u> Motion to Consolidate Cases 1:04-cv-2076 is consolidated into this cause. All CMP deadlines are hereby vacated. Signed by Judge Larry J. McKinney on 02/14/05. cm (AJN,) (Entered: 02/15/2005)
02/15/2005	<u>175</u>	 60.62KB	Remark is a Continuation of Docket Entry [#174] However, QWEST shall have 30 days from the date of this Order to renew its motion. All Case Management Plan deadlines are hereby Vacated. The parties shall confer with Magistrate Judge William T. Lawrence to establish deadlines for filing a new case management plan. The status conference between Convergys Corporation and Centillion Data Systems, LLC, remains set for February 24, 2005. LJM cm (AJN,) (Entered: 02/15/2005)
02/17/2005	<u>176</u>		SCHEDULING ORDER: Status Conference set for 3/25/2005 02:00 PM in room #277 before Magistrate Judge William T. Lawrence. Out










		 9.63KB	of state counsel may participate by telephone. Signed by Judge William T. Lawrence on 02/17/2005. c/m WTL (TMA,) (Entered: 02/17/2005)
02/24/2005	<u>177</u>	 152.13KB	MOTION to Withdraw as Attorney by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 02/24/2005)
02/25/2005	<u>178</u>	 70.83KB	ORDER granting <u>177</u> Motion to Withdraw as Attorney Stephen J Tan on behalf of Qwest Corp and Qwest Communications Corp Signed by Judge Larry J. McKinney on 2/25/05. (CBU,) (Entered: 02/25/2005)
02/25/2005	<u>179</u>	 10.65KB	ENTRY - Parties appear by counsel for status conference on 2/24/05. Conference held and concluded without further order. Cause remains set for status conference on 3/25/05. Signed by Judge William T. Lawrence on 02/25/2005. c/m WTL (TMA,) (Entered: 02/25/2005)
03/09/2005	<u>180</u>	 109.08KB	MOTION to Withdraw as Attorney by CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 03/09/2005)
03/10/2005	<u>181</u>	 54.36KB	ORDER granting <u>180</u> Motion to Withdraw as Attorneys Andrew Mar & Brian Bodine. Signed by Judge Larry J. McKinney on 03/10/05. (AJN,) (Entered: 03/10/2005)
03/16/2005	<u>182</u>	 79.34KB	NOTICE by QWEST CORPORATION of <i>Consent to Personal Jurisdiction</i> (Riley, James) (Entered: 03/16/2005)
03/16/2005	<u>183</u>	 128.45KB	MOTION for Extension of Time to April 15, 2005 to <i>Respond to Plaintiff's Second Amended Complaint</i> by QWEST CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 03/16/2005)
03/17/2005	<u>184</u>	 66.00KB	ORDER granting <u>183</u> Motion for Extension of Time to File Answer to 04/15/05 . Signed by Judge Larry J. McKinney on 03/17/05. (AJN,) (Entered: 03/17/2005)
03/21/2005	<u>185</u>	 19.18KB	MOTION to Withdraw as Attorney (<i>Petition</i>) to <i>Withdraw Appearance</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A)(Cohen, Hamish) (Entered: 03/21/2005)
03/22/2005	<u>186</u>	 36.49KB	ORDER granting <u>185</u> Motion to Withdraw as Attorney, Mary Matterer. Signed by Judge Larry J. McKinney on 03/22/05. (AJN,) (Entered: 03/22/2005)
03/31/2005	<u>187</u>	 77.16KB	NOTICE by QWEST <i>Regarding Discovery Issues</i> (Riley, James) (Entered: 03/31/2005)
04/06/2005	<u>188</u>	 14.32KB	RESPONSE in Opposition to <i>Qwest's "Notice to Court Regarding Discovery Issues"</i> filed by CENTILLION DATA SYSTEMS, LLC. (Campbell, David) (Entered: 04/06/2005)
04/15/2005	<u>189</u>	 97.84KB	ANSWER to Amended Complaint (<i>Second</i>) by QWEST

			CORPORATION.(Riley, James) (Entered: 04/15/2005)
05/11/2005	<u>190</u>	 5.20MB	NOTICE by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION of <i>Re-Examination Request</i> (Attachments: # <u>1</u> Exhibit Exhibit A - Part 1# <u>2</u> Exhibit Exhibit A - Part 2# <u>3</u> Exhibit Exhibit A - Part 3# <u>4</u> Exhibit Exhibit A - Part 4) (Riley, James) (Entered: 05/11/2005)
05/13/2005	<u>191</u>	 87.51KB	MOTION to Stay by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 05/13/2005)
05/13/2005	<u>192</u>	 116.25KB	BRIEF/MEMORANDUM in Support re <u>191</u> MOTION to Stay filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 05/13/2005)
05/13/2005	<u>193</u>	 89.50KB	MOTION for Extension of Time to <i>Respond to Outstanding Discovery</i> by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 05/13/2005)
05/16/2005	<u>194</u>	 59.66KB	Submission of <i>Proposed Order Granting Motion to Stay</i> filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 05/16/2005)
05/16/2005	<u>195</u>	 59.95KB	Submission of <i>Proposed Order Granting Extension of Time to Respond to Discovery</i> filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 05/16/2005)
05/31/2005	<u>196</u>	 0.84MB	RESPONSE in Opposition re <u>191</u> MOTION to Stay <i>Proceedings</i> filed by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit Order dated Nov. 12, 2004# <u>2</u> Exhibit Answer to 1st Set of Interrogatories)(Cohen, Hamish) (Entered: 05/31/2005)
05/31/2005	<u>197</u>	 4.55MB	RESPONSE in Opposition re <u>193</u> MOTION for Extension of Time to <i>Respond to Outstanding Discovery and Cross Motion to Compel Discovery Responses</i> filed by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order on Motion to Compel# <u>2</u> Exhibit QC's First Response# <u>3</u> Exhibit QC's First Admission Response# <u>4</u> Exhibit QC's Interrogatory Responses# <u>5</u> Exhibit QC's Second Response# <u>6</u> Exhibit Plaintiff's 1st Admission Request# <u>7</u> Exhibit Plaintiff's 1st set of Interrogatories# <u>8</u> Exhibit Plaintiff's 1st document request# <u>9</u> Exhibit Plaintiff's 2nd document request# <u>10</u> Exhibit Dulles Technology Partners)(Cohen, Hamish) (Entered: 05/31/2005)
06/03/2005	<u>198</u>	 20.02KB	NOTICE by CENTILLION DATA SYSTEMS, LLC of <i>Withdrawal of Cross Motion to Compel</i> (Attachments: # <u>1</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 06/03/2005)

06/06/2005	<u>199</u>	 8.85KB	Submission of Order on Notice of Withdrawal of Cross Motion to Compel #198 by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 06/06/2005)
06/07/2005	<u>200</u>	 94.80KB	ORDER denying <u>193</u> Qwest Communications International Inc. and QwestCorporation, and Counter-Plaintiff, Qwest Communications Corporation's Motion for Extension of Time to respond to outstanding discovery. Signed by Judge William T. Lawrence on 06/07/2005. c/m WTL (TMA,) (Entered: 06/07/2005)
06/09/2005	<u>201</u>	 1.00MB	REPLY in support of Motion re <u>191</u> MOTION to Stay, <u>193</u> MOTION for Extension of Time to Respond to Outstanding Discovery filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A)(Riley, James) (Entered: 06/09/2005)
06/09/2005	<u>202</u>	 0.68MB	NOTICE by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION of Objection to Order Denying Motion for Enlargement of Time to Respond to Discovery (Attachments: # <u>1</u> Exhibit A)(Riley, James) (Entered: 06/09/2005)
06/13/2005	<u>203</u>	 220.54KB	ORDER denying <u>191</u> Motion to Stay. The same entities' Objection to Order Denying Motion for Enlargment of Time to Respond to Discovery isOVERRULED. Parties shall respond to outstanding discovery requests on or before July 8, 2005. Signed by Judge Larry J. McKinney on 06/13/05. (AJN,) Modified on 6/14/2005 (AJN,). (Entered: 06/13/2005)
06/30/2005	<u>204</u>	 0.67MB	NOTICE by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION of Re-examination of '270 Patent by the United States Patent and Trademark Office (Attachments: # <u>1</u> Exhibit)(Riley, James) (Entered: 06/30/2005)
07/08/2005	<u>205</u>	 13.59KB	Witness List and Exhibit List (Preliminary) by CENTILLION DATA SYSTEMS, LLC. (Cohen, Hamish) (Entered: 07/08/2005)
07/14/2005	<u>206</u>	 13.21KB	Exhibit List (Preliminary) by CONVERGYS CORPORATION, CONVERGYS CORPORATION., Witness List (Preliminary) by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 07/14/2005)
07/15/2005	<u>207</u>	 92.99KB	Witness List & Exhibit List - Preliminary by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 07/15/2005)
07/15/2005	<u>208</u>	 113.14KB	MOTION for Extension of Time to October 31, 2005 To File Motion for Leave to Join Additional Parties by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 07/15/2005)
07/20/2005	<u>209</u>	 147.32KB	MOTION to Stay (Renewed) by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS

			CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 07/20/2005)
07/20/2005	<u>210</u>	 0.71MB	BRIEF/MEMORANDUM in Support re <u>209</u> MOTION to Stay (<i>Renewed</i>) filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C)(Riley, James) (Entered: 07/20/2005)
07/27/2005	<u>211</u>	 15.70KB	MOTION to Join <i>Qwest's Renewed Motion to Stay Proceedings</i> by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Join) (Tragesser, Joel) (Entered: 07/27/2005)
07/28/2005	<u>212</u>	 38.63KB	ORDER granting <u>211</u> Motion to join Qwests renewed motion to stay proceedings Signed by Judge Larry J. McKinney on 7/28/05. (CBU,) (Entered: 07/28/2005)
08/02/2005	<u>213</u>	 20.16KB	MOTION to Compel (<i>and Motion for Contempt</i>) Production of Documents and Things by Defts Qwest or to Strike Qwests' Answers by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1)(Cohen, Hamish) (Entered: 08/02/2005)
08/02/2005	<u>214</u>	 1.92MB	BRIEF/MEMORANDUM in Support re <u>213</u> MOTION to Compel (<i>and Motion for Contempt</i>) Production of Documents and Things by Defts Qwest or to Strike Qwests' Answers filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A - 19 pgs.# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E)(Cohen, Hamish) (Entered: 08/02/2005)
08/05/2005	<u>215</u>	 389.08KB	MOTION to Compel by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Text of Proposed Order)(Riley, James) (Entered: 08/05/2005)
08/05/2005	<u>216</u>	 339.12KB	Statement S.D. Ind. L.R. 37.1 by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2)(Riley, James) (Entered: 08/05/2005)
08/08/2005	<u>217</u>	 1.06MB	RESPONSE in Opposition re <u>209</u> MOTION to Stay (<i>Renewed</i>) filed by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A (Order of 11/12/04)# <u>2</u> Exhibit B)(Cohen, Hamish) (Entered: 08/08/2005)
08/11/2005	<u>218</u>	 3.28MB	RESPONSE in Opposition re <u>213</u> MOTION to Compel (<i>and Motion for Contempt</i>) Production of Documents and Things by Defts Qwest or to Strike Qwests' Answers filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D)(Riley, James) (Entered: 08/11/2005)
08/17/2005	<u>219</u>	 0.74MB	REPLY in support of Motion re <u>209</u> MOTION to Stay (<i>Renewed</i>) filed by QWEST, QWEST CORPORATION, QWEST

			COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C)(Riley, James) (Entered: 08/17/2005)
08/19/2005	<u>220</u>	 47.45KB	ORDER granting <u>208</u> Centillion's Motion for Extension of Time. The deadline to file motions for leave to join additional parties is extended to and including October 31, 2005. Signed by Judge William T. Lawrence on 08/19/2005. c/m WTL (TMA,) (Entered: 08/22/2005)
08/23/2005	<u>221</u>	 154.09KB	RESPONSE in Opposition re <u>215</u> MOTION to Compel filed by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3)(Cohen, Hamish) (Entered: 08/23/2005)
08/24/2005	<u>222</u>	 65.57KB	ORDER denying <u>209</u> Defendants' Renewed Motion to Stay. c/m Signed by Judge Larry J. McKinney on 08/24/05. (GJQ) (Entered: 08/24/2005)
08/25/2005	<u>223</u>	 0.66MB	REPLY in support of Motion re <u>213</u> MOTION to Compel (<i>and Motion for Contempt</i>) <i>Production of Documents and Things by Defts Qwest or to Strike Qwests' Answers</i> filed by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C)(Cohen, Hamish) (Entered: 08/25/2005)
09/01/2005	<u>224</u>	 197.98KB	REPLY in support of Motion re <u>215</u> MOTION to Compel filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A)(Riley, James) (Entered: 09/01/2005)
09/01/2005	<u>225</u>	 127.46KB	MOTION <i>for Oral Argument</i> by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 09/01/2005)
09/13/2005	<u>226</u>	 55.42KB	ORDER granting in part and denying in part <u>213</u> Motion to Compel, granting in part and denying in part <u>215</u> Motion to Compel, and denying <u>225</u> Motion for Oral Argument. See order for Court-ordered deadlines. Signed by Judge Larry J. McKinney on 09/13/05. (GJQ) (Entered: 09/13/2005)
09/13/2005	<u>227</u>	 23.80KB	MOTION to <i>Reset Claim Construction Deadlines</i> by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 09/13/2005)
09/14/2005	<u>228</u>	 57.29KB	ORDER denying <u>227</u> Motion to Reset Claim Construction Deadlines. Parties are to proceed with discovery and comply with the deadlines set by the Court's 9/13/05 order. Further, parties shall file a proposed Revised Case Management Plan by 10/21/05. c/m Signed by Judge Larry J. McKinney on 09/14/05. (GJQ) (Entered: 09/14/2005)
09/14/2005			<u>228</u> SCHEDULING ORDER: Parties are to appear by counsel for a

			Case Management Plan Conference on 10/25/05 at 10:30 AM in room #204 before Judge Larry J. McKinney. c/m Signed by Judge Larry J. McKinney on 09/14/05. (GJQ) (Entered: 09/14/2005)
09/30/2005	<u>229</u>	 20.91KB	MOTION to Withdraw as Attorney by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Cohen, Hamish) (Entered: 09/30/2005)
10/03/2005	<u>230</u>	 0.57MB	ORDER granting <u>229</u> Motion to Withdraw as Attorney Hamish S Cohen. . Signed by Judge Larry J. McKinney on 10/3/05. (CBU,) (Entered: 10/04/2005)
10/04/2005	<u>231</u>	 10.94KB	NOTICE of Appearance by Brad R. Maurer on behalf of CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC (Maurer, Brad) (Entered: 10/04/2005)
10/04/2005	<u>232</u>	 26.49KB	MOTION for Maintaining Court-Ordered Statement Under Seal Pursuant to Local Rule 5.3 and to Submit Exhibits for In Camera Inspection by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Maurer, Brad) (Entered: 10/04/2005)
10/04/2005	<u>233</u>	 10.84KB	NOTICE by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC of Manual Filing (Maurer, Brad) (Entered: 10/04/2005)
10/04/2005	<u>234</u>		SEALED DOCUMENT, Statement of position on infringement by Plaintiff, CENTILLION DATA SYSTEMS, LLC. (PG,) (Entered: 10/06/2005)
10/05/2005	<u>235</u>	 0.57MB	ORDER granting <u>232</u> Motion for maintaining Court-Ordered statement under seal and to submit exhibits for in camera inspection . Signed by Judge Larry J. McKinney on 10/5/05. (CBU,) (Entered: 10/06/2005)
10/21/2005	<u>236</u>	 16.62KB	MOTION to Appear pro hac vice - <i>Brian S. Seal</i> by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Appear Pro Hac Vice)(Tragesser, Joel) (Entered: 10/21/2005)
10/21/2005	<u>237</u>	 60.31KB	SCHEDULING ORDER: The 10/25/05 Case Management Plan Conference is VACATED and RE-SET for 11/1/05 at 2:00 PM in room #204 before Judge Larry J. McKinney. c/m Signed by Judge Larry J. McKinney on 10/21/05. (GJQ) (Entered: 10/21/2005)
10/21/2005	<u>238</u>	 48.66KB	CASE MANAGEMENT PLAN TENDERED by CENTILLION DATA SYSTEMS, LLC (<i>Proposed Revised</i>). (Attachments: # <u>1</u> Text of Proposed Order Entering Centillion's Proposed Changes to Case Management Plan)(Maurer, Brad) (Entered: 10/21/2005)
10/21/2005	<u>239</u>		CASE MANAGEMENT PLAN TENDERED by CONVERGYS

















































		 61.69KB	CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION (<i>Proposed Revised</i>). (Tragesser, Joel) (Entered: 10/21/2005)
10/21/2005	<u>240</u>	 20.28KB	RECEIPT #102 7231 in the amount of \$ 30.00 for PHV, Brian S. Seal. (PG,) (Entered: 10/24/2005)
10/25/2005	<u>241</u>	 32.45KB	ORDER granting <u>236</u> Motion to Appear pro hac vice. Attorney Brian S. Seal for CONVERGYS CORPORATION added . Signed by Judge William T. Lawrence on 10/25/05. (JHO) (Entered: 10/25/2005)
10/25/2005	<u>242</u>	 128.96KB	Unopposed MOTION for Continuance by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/25/2005)
10/27/2005	<u>243</u>	 84.53KB	ORDER granting <u>242</u> Motion for Continuance of Case Managment Plan Conference to 2:00 p.m. on November 10, 2005. Signed by Judge Larry J. McKinney on 10/27/05. (PG,) (Entered: 10/27/2005)
11/09/2005	<u>244</u>	 82.41KB	ORDER: REVISED CASE MANAGEMENT PLAN. See Order for specific details and deadlines. c/m Signed by Judge Larry J. McKinney on 11/09/05. (GJQ) (Entered: 11/09/2005)
11/09/2005			<u>244</u> ORDER: The 11/10/05 conference is VACATED. c/m Signed by Judge Larry J. McKinney on 11/09/05. (GJQ) (Entered: 11/09/2005)
11/09/2005	<u>245</u>	 22.24KB	MOTION for Sanctions <i>Pursuant to Fed R Civ P 11</i> by QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 11/09/2005)
11/09/2005	<u>246</u>	 1.74MB	BRIEF/MEMORANDUM in Support re <u>245</u> MOTION for Sanctions <i>Pursuant to Fed R Civ P 11</i> filed by QWEST. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E# <u>6</u> Exhibit F# <u>7</u> Exhibit G# <u>8</u> Exhibit H# <u>9</u> Exhibit I)(Belusko, Vincent) (Entered: 11/09/2005)
11/10/2005			<u>244</u> SCHEDULING ORDER: Final Pretrial Conference set for 1/8/07 at 2:00 PM in room #204 and Jury Trial set for 1/29/07 at 9:30 AM in courtroom #202 before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 11/10/05. (GJQ) (Entered: 11/10/2005)
11/10/2005	<u>247</u>	 60.88KB	NOTICE of Appearance by Phillip J. Fowler on behalf of CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC (Fowler, Phillip) (Entered: 11/10/2005)
11/28/2005	<u>248</u>	 1.45MB	RESPONSE in Opposition re <u>245</u> MOTION for Sanctions <i>Pursuant to Fed R Civ P 11</i> filed by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 (filed under seal)# <u>2</u> Exhibit 2 (filed under seal)# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5# <u>6</u> Exhibit 6# <u>7</u>










			Exhibit 7# 8 Exhibit 8# 9 Exhibit 9# 10 Exhibit 10)(Campbell, David) (Entered: 11/28/2005)
11/28/2005	<u>249</u>	 143.48KB	MOTION to Maintain Under Seal Exhibits for In Camera Inspection by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Campbell, David) (Entered: 11/28/2005)
11/28/2005	<u>250</u>	 70.55KB	NOTICE of Filing (Manual) by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC (Campbell, David) (Entered: 11/28/2005)
11/28/2005	<u>253</u>		SEALED DOCUMENT Exhibits 1 & 2 re <u>248</u> Response in Opposition to Motion, by Plaintiff, CENTILLION DATA SYSTEMS, LLC (PG,) (Entered: 12/01/2005)
11/30/2005	<u>251</u>	 1.22MB	CONTENTIONS (Preliminary Infringement) by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC.. (Campbell, David) (Entered: 11/30/2005)
12/01/2005	<u>252</u>	 132.46KB	MOTION to Withdraw <u>231</u> Notice of Appearance by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Regarding Motion to Withdraw Appearance) (Fowler, Phillip) (Entered: 12/01/2005)
12/05/2005	<u>254</u>	 92.25KB	ORDER granting <u>252</u> Motion to Withdraw Appearance of Brad R. Maurer. Signed by Judge Larry J. McKinney on 12/05/05. (PG,) (Entered: 12/05/2005)
12/07/2005	<u>255</u>	 465.47KB	REPLY in support of Motion re <u>245</u> MOTION for Sanctions Pursuant to Fed R Civ P 11 filed by QWEST. (Attachments: # <u>1</u> Exhibit J# <u>2</u> Exhibit K)(Belusko, Vincent) (Entered: 12/07/2005)
12/15/2005	<u>256</u>	 75.78KB	Statement of Claim Terms Proposed for Construction by CONVERGYS CORPORATION, QWEST. (Belusko, Vincent) (Entered: 12/15/2005)
01/04/2006	<u>257</u>	 91.32KB	ORDER: Defendants' and Counterclaim Plaintiff's <u>245</u> Motion for Sanctions is DENIED and Plaintiff's <u>249</u> Motion to Maintain Under Seal Exhibits for In Camera Inspection is GRANTED. c/m Signed by Judge Larry J. McKinney on 1/4/06. (GJQ) (Entered: 01/04/2006)
01/06/2006	<u>258</u>	 29.11KB	Submission of Joint Claim Construction Chart by all parties. (Attachments: # <u>1</u> Exhibit - Joint Claim Construction Chart) (Tragesser, Joel) (Entered: 01/06/2006)
02/06/2006	<u>259</u>	 128.39KB	MOTION for Leave to File Excess Pages on Oversized Memorandum by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order









			On Motion for Leave to File OVersized Memorandum)(Fowler, Phillip) (Entered: 02/06/2006)
02/06/2006	<u>260</u>	 6.63MB	PRETRIAL MEMORANDUM by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2 Part 1# <u>3</u> Exhibit 2 Part 2# <u>4</u> Exhibit 3# <u>5</u> Exhibit 4# <u>6</u> Exhibit 5# <u>7</u> Exhibit 6# <u>8</u> Exhibit 7# <u>9</u> Exhibit 8)(Fowler, Phillip) (Entered: 02/06/2006)
02/07/2006	<u>261</u>	 82.49KB	ORDER granting <u>259</u> Motion for Leave to File Excess Pages . Signed by Judge Larry J. McKinney on 2/7/06. (PG,) (Entered: 02/07/2006)
03/07/2006	<u>262</u>	 2.03MB	PRETRIAL MEMORANDUM by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A - Defendant's Joint Claim Memo (IP 98-1748)# <u>2</u> Exhibit B - Centillion's Reply Memo (IP 98-1748)# <u>3</u> Exhibit Declaration of Dr. H.E. Dunsmore) (Tragesser, Joel) (Entered: 03/07/2006)
03/07/2006	<u>263</u>	 17.10MB	Submission of Exhibits A - N to Declaration of Dr. H.E. Dunsmore by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A to Declaration ? H.E. Dunsmore CV# <u>2</u> Exhibit B-1 to Declaration - U.S. Patent No. 5,287,270# <u>3</u> Exhibit B-2 to Declaration - U.S. Patent No. 5,287,270# <u>4</u> Exhibit C to Declaration ? H.E. Dunsmore?s sources# <u>5</u> Exhibit D-1 to Declaration ? H.E. Dunsmore's Claim Construction Chart# <u>6</u> Exhibit D-2 to Declaration ? H.E. Dunsmore's Claim Construction Chart# <u>7</u> Exhibit D-3 to Declaration ? H.E. Dunsmore's Claim Construction Chart# <u>8</u> Exhibit E to Declaration - Dictionary of Minicomputing and Microcomputing# <u>9</u> Exhibit F to Declaration - 8/11/93 Amendment# <u>10</u> Exhibit G to Declaration - 3/2/93 Office Action# <u>11</u> Exhibit H to Declaration - Declaration of Daniel D. Briere# <u>12</u> Exhibit I to Declaration - Webster?s New World Dictionary of Computer Terms# <u>13</u> Exhibit J to Declaration - Dictionary of Computer Terms# <u>14</u> Exhibit K to Declaration - Newton?s Telecom Dictionary# <u>15</u> Exhibit L to Declaration - Microsoft Press - Computer Dictionary# <u>16</u> Exhibit M to Declaration - Computing Terms and Acronyms: a dictionary# <u>17</u> Exhibit N to Declaration - McGraw-Hill Dictionary of Scientific and Technical Terms)(Tragesser, Joel) (Entered: 03/07/2006)
03/07/2006	<u>264</u>	 10.07MB	Submission Exhibits A - D to Declaration of Dr. H.E. Dunsmore by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A to Declaration ? H.E. Dunsmore CV# <u>2</u> Exhibit B-1 to Declaration - U.S. Patent No. 5,287,270# <u>3</u> Exhibit B-2 to Declaration - U.S. Patent No. 5,287,270# <u>4</u> Exhibit C to Declaration ? H.E. Dunsmore?s










			sources# <u>5</u> Exhibit D-1 to Declaration ? H.E. Dunsmore's Claim Construction Chart# <u>6</u> Exhibit D-2 to Declaration ? H.E. Dunsmore's Claim Construction Chart# <u>7</u> Exhibit D-3 to Declaration ? H.E. Dunsmore's Claim Construction Chart)(Tragesser, Joel) ***WITHDRAWN pursuant to <u>276</u> *** (Entered: 03/07/2006)
03/07/2006	<u>265</u>	 16.62MB	Submission of Exhibits O & P to Declaration of Dr. H.E. Dunsmore by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit O-1 to Declaration - File History of U.S. Patent No. 5,287,270, Appl. No. 984,374# <u>2</u> Exhibit O-2 to Declaration - File History of U.S. Patent No. 5,287,270, Appl. No. 984,374# <u>3</u> Exhibit O-3 to Declaration - File History of U.S. Patent No. 5,287,270, Appl. No. 984,374# <u>4</u> Exhibit O-4 to Declaration - File History of U.S. Patent No. 5,287,270, Appl. No. 984,374# <u>5</u> Exhibit O-5 to Declaration - File History of U.S. Patent No. 5,287,270, Appl. No. 984,374# <u>6</u> Exhibit P-1 to Declaration - File History of U.S. Patent Appl. No. 07/393,699, Filed August 14, 1989# <u>7</u> Exhibit P-2 to Declaration - File History of U.S. Patent Appl. No. 07/393,699, Filed August 14, 1989# <u>8</u> Exhibit P-3 to Declaration - File History of U.S. Patent Appl. No. 07/393,699, Filed August 14, 1989# <u>9</u> Exhibit P-4 to Declaration - File History of U.S. Patent Appl. No. 07/393,699, Filed August 14, 1989)(Tragesser, Joel) (Entered: 03/07/2006)
03/07/2006	<u>266</u>	 15.24KB	MOTION for Leave to File Excess Pages - <i>Answering Memorandum on Claim Construction</i> by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to File Excess Pages)(Tragesser, Joel) (Entered: 03/07/2006)
03/07/2006	<u>267</u>	 16.40KB	Unopposed MOTION for Extension of Time to 03/07/2006 in which to <u>262</u> Pretrial Memorandum, (2 hours) by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Two Hour Extension of Time)(Tragesser, Joel) (Entered: 03/07/2006)
03/07/2006	<u>268</u>	 15.61KB	MOTION to Substitute Table of Authorities in Answering Memorandum on Claim Construction (Docket No. 262) by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Substitute Table of Authorities) (Tragesser, Joel) (Entered: 03/07/2006)
03/08/2006	<u>269</u>		MOTION to Withdraw <u>264</u> Submission,, by CONVERGYS CORPORATION, QWEST, CONVERGYS CORPORATION, QWEST CORPORATION, QWEST COMMUNICATIONS

		16.49KB	CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Withdraw Duplicate Filing)(Tragesser, Joel) (Entered: 03/08/2006)
03/08/2006	<u>270</u>	 16.54KB	MOTION to Compel <i>Discovery</i> by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Compel Discovery)(Tragesser, Joel) (Entered: 03/08/2006)
03/08/2006	<u>271</u>	 0.68MB	BRIEF/MEMORANDUM in Support re <u>270</u> MOTION to Compel <i>Discovery</i> filed by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A - Excerpts of Centillion's Supp. and Amd. Obj. and Ans. to Interrogatories# <u>2</u> Exhibit B - Excerpts of Centillion's Responses to Document Requests# <u>3</u> Exhibit C - Letters dated Feb. 22nd and Feb. 24th) (Tragesser, Joel) (Entered: 03/08/2006)
03/08/2006	<u>272</u>	 9.90KB	Statement <i>per Local Rule 37.1</i> by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 03/08/2006)
03/09/2006	<u>273</u>	 40.81KB	ORDER granting <u>266</u> Motion for Leave to File Excess Pages . Signed by Judge Larry J. McKinney on 3/9/06. (PG,) (Entered: 03/09/2006)
03/09/2006	<u>274</u>	 41.36KB	ORDER granting <u>267</u> Motion for Extension of Time to File to 3/7/06 . Signed by Judge Larry J. McKinney on 3/9/06. (PG,) (Entered: 03/09/2006)
03/09/2006	<u>275</u>	 41.67KB	ORDER granting <u>268</u> Motion to Substitute Table of Authorities in Defendants' Answering Memorandum on Claim Construction <u>262</u> with Exhibit A to Defendants' Motion to Substitute Table of Authorities in Answering Memorandum on Claim Construction . Signed by Judge Larry J. McKinney on 3/9/06. (PG,) (Entered: 03/09/2006)
03/10/2006	<u>276</u>	 41.14KB	ORDER granting <u>269</u> Motion to Withdraw <u>264</u> Submission of Exhibits A-D . Signed by Judge Larry J. McKinney on 3/10/06. (PG,) (Entered: 03/10/2006)
03/21/2006	<u>277</u>	 2.81MB	REPLY in support of Motion re <u>259</u> MOTION for Leave to File Excess Pages on <i>Oversized Memorandum on Claim Interpretation</i> filed by CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Declaration of Jack Grimes, PhD# <u>2</u> Exhibit App A Grimes Declaration# <u>3</u> Exhibit App B Grimes Declaration, Part 1# <u>4</u> Exhibit App B Grimes Declaration, Part 2# <u>5</u> Exhibit 9# <u>6</u> Exhibit 10)(Fowler, Phillip) (Entered: 03/21/2006)
03/27/2006	<u>278</u>	 1.51MB	RESPONSE in Opposition re <u>270</u> MOTION to Compel <i>Discovery</i> filed by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 03/27/2006)

03/27/2006	<u>279</u>	 9.23KB	SCHEDULING ORDER: Status Conference (discovery dispute) set for 3/29/2006 02:00 PM in room #277 before Magistrate Judge William T. Lawrence. Counsel may appear by phone by calling (317) 229-3610. Signed by Judge William T. Lawrence on 3/27/06. (JHO) (Entered: 03/27/2006)
03/28/2006	<u>280</u>	 44.94KB	Submission of Proposed Order re: Response in Opposition to Convergys' Motion to Compel Discovery by CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 03/28/2006)
04/10/2006	<u>281</u>	 6.03MB	REPLY in support of Motion re <u>270</u> MOTION to Compel Discovery filed by CONVERGYS CORPORATION, CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A-1 Form 10-QSB (June 30, 2005)# <u>2</u> Exhibit A-2 Form 10-QSB (June 30, 2005)# <u>3</u> Exhibit A-3 Form 10-QSB (June 30, 2005)# <u>4</u> Exhibit A-4 Form 10-QSB (June 30, 2005)# <u>5</u> Exhibit B-1 Form 10-KSB (2001)# <u>6</u> Exhibit B-2 Form 10-KSB (2001)# <u>7</u> Exhibit B-3 Form 10-KSB (2001)# <u>8</u> Exhibit B-4 Form 10-KSB (2001)# <u>9</u> Exhibit C - Centillion's Supp. and Amend. Obj. and Ans. to Convergys' First Set of Interrog.# <u>10</u> Exhibit D - Letter from Telephone & Data Systems, Inc.# <u>11</u> Exhibit E - Letter from CGI-AMS, Inc.)(Tragesser, Joel) (Entered: 04/10/2006)
04/17/2006	<u>282</u>	 148.13KB	Submission of Proposed Entry on March 29, 2006 Status Conference by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A)(Riley, James) (Entered: 04/17/2006)
04/21/2006	<u>283</u>	 93.79KB	ENTRY on 3/29/06 Status Conference. Signed by Judge William T. Lawrence on 04/21/2006. c/m WTL (TMA,) (Entered: 04/24/2006)
05/26/2006	<u>284</u>	 0.85MB	NOTICE by QWEST (Attachments: # <u>1</u> Exhibit Notice of Intent to Issue Ex Parte Reexamination Certificate)(Belusko, Vincent) (Entered: 05/26/2006)
05/26/2006	<u>285</u>	 407.30KB	NOTICE by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC of U.S. Patent and Trademark Office Communication of Notice of Intent to Issue Ex Parte Reexamination Certificate (Attachments: # <u>1</u> Exhibit A)(Fowler, Phillip) (Entered: 05/26/2006)
05/26/2006	<u>286</u>	 381.88KB	NOTICE by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC of New Legal Precedent Relevant to Markman Determinations (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B) (Fowler, Phillip) (Entered: 05/26/2006)
05/30/2006	<u>287</u>	 407.64KB	MOTION to Substitute Exhibit Related to Notice of U.S. Patent and Trademark Office Communication of Notice of Intent to Issue Ex Parte Reexamination Certificate by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/30/2006)

05/31/2006	<u>288</u>	 113.14KB	ORDER granting <u>287</u> Motion to Substitute Exhibit A to Notice of U.S. Patent and Trademark Office Communication of Notice of Intent to Issue Ex Parte Reexamination Certificate, filed May 26, 2006. Signed by Judge Larry J. McKinney on 5/31/06. (PG,) (Entered: 05/31/2006)
05/31/2006	<u>289</u>	 0.56MB	NOTICE by QWEST <i>Qwest Parties Response to Notice of New Legal Precedent Relevant to Markman Determinations</i> (Belusko, Vincent) (Entered: 05/31/2006)
06/08/2006	<u>290</u>	 33.23KB	ORDER granting <u>270</u> defendant/counterclaimant Convergys Corporation's Motion to Compel. Signed by Judge William T. Lawrence on 06/08/2006. c/m WTL (TMA,) (Entered: 06/08/2006)
07/12/2006	<u>291</u>	 127.39KB	Unopposed MOTION to Modify <i>Entry on Motion to Compel</i> by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 07/12/2006)
07/13/2006	<u>292</u>	 256.10KB	ORDER granting <u>291</u> Unopposed Motion to Modify Entry on Motion to Compel. Signed by Judge William T. Lawrence on 7/13/06. (JHO) (Entered: 07/13/2006)
07/24/2006	<u>293</u>	 228.48KB	NOTICE by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC of <i>Objection to Disclosure of License Agreement to Qwest's In-House Counsel</i> (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B)(Fowler, Phillip) (Entered: 07/24/2006)
07/25/2006	<u>294</u>	 0.60MB	NOTICE by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC of <i>U.S. Patent and Trademark Office Communication of Decision on Petition Related to Ex Parte Reexamination</i> (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D)(Fowler, Phillip) (Entered: 07/25/2006)
08/09/2006	<u>295</u>	 165.55KB	MOTION to Compel <i>the Individual Depositions of Qwest's Witnesses, Interrogatory Responses and Production of Counsel Opinions, and to Preclude Qwest's Use of Counsel Opinions</i> by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 08/09/2006)
08/09/2006	<u>296</u>	 10.59MB	BRIEF/MEMORANDUM in Support re <u>295</u> MOTION to Compel <i>the Individual Depositions of Qwest's Witnesses, Interrogatory Responses and Production of Counsel Opinions, and to Preclude Qwest's Use of Counsel Opinions</i> filed by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E# <u>6</u> Exhibit F# <u>7</u> Exhibit G# <u>8</u> Exhibit H, Part 1# <u>9</u> Exhibit H, Part 2# <u>10</u> Exhibit H, Part 3# <u>11</u> Exhibit H, Part 4# <u>12</u> Exhibit I, Part 1# <u>13</u> Exhibit I, Part 2# <u>14</u> Exhibit I, Part 3# <u>15</u> Exhibit I, Part 4# <u>16</u> Exhibit J, Part 1# <u>17</u> Exhibit J, Part 2# <u>18</u> Exhibit J, Part 3# <u>19</u> Exhibit J, Part 4# <u>20</u> Exhibit J, Part 5# <u>21</u> Exhibit K# <u>22</u> Exhibit L#

			23 Exhibit M# 24 Exhibit N# 25 Exhibit O# 26 Exhibit P# 27 Exhibit Q# 28 Exhibit R# 29 Exhibit S)(Fowler, Phillip) (Entered: 08/09/2006)
08/09/2006	<u>297</u>	 96.37KB	Statement (Rule 37.1 -- in Support of Motion to Compel) by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 08/09/2006)
08/24/2006	<u>298</u>	 3.54MB	RESPONSE in Opposition re <u>295</u> MOTION to Compel <i>the Individual Depositions of Qwest's Witnesses, Interrogatory Responses and Production of Counsel Opinions, and to Preclude Qwest's Use of Counsel Opinions</i> filed by QWEST. (Attachments: # <u>1</u> Exhibit Exhibit 1# <u>2</u> Exhibit Exhibit 2# <u>3</u> Exhibit Exhibit 3# <u>4</u> Exhibit Exhibit 4# <u>5</u> Exhibit Exhibit 5# <u>6</u> Exhibit Exhibit 6# <u>7</u> Exhibit Exhibit 7# <u>8</u> Exhibit Exhibit 8# <u>9</u> Exhibit Exhibit 9# <u>10</u> Exhibit Exhibit 10# <u>11</u> Exhibit Exhibit 11# <u>12</u> Exhibit Exhibit 12# <u>13</u> Exhibit Exhibit 13# <u>14</u> Exhibit Exhibit 14# <u>15</u> Exhibit Exhibit 15# <u>16</u> Exhibit Exhibit 16)(Belusko, Vincent) (Entered: 08/24/2006)
08/31/2006	<u>299</u>	 327.85KB	***WITHDRAWN PER 9/8/06 ORDER***REPLY in support of Motion re <u>295</u> MOTION to Compel <i>the Individual Depositions of Qwest's Witnesses, Interrogatory Responses and Production of Counsel Opinions, and to Preclude Qwest's Use of Counsel Opinions</i> filed by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit T)(Fowler, Phillip) Modified on 9/11/2006 (Leighty, Christina). (Entered: 08/31/2006)
08/31/2006	<u>304</u>	 275.30KB	REPLY in Support of Motion re <u>295</u> MOTION to Compel <i>the Individual Depositions of Qwest's Witnesses, Interrogatory Responses and Production of Counsel Opinions, and to Preclude Qwest's Use of Counsel Opinions</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (CLL) (Entered: 09/11/2006)
09/06/2006	<u>300</u>	 179.15KB	MOTION for leave to Withdraw Centillion's Reply Brief in Support of Its Motion to Compel by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order on Centillion's Motion for Leave to Withdraw Centillion's Reply Brief in Support of Its Motion to Compel)(Fowler, Phillip) (Entered: 09/06/2006)
09/06/2006	<u>301</u>	 444.14KB	MOTION to Amend/Correct <u>299</u> Reply in support of Motion, <i>Centillion's Motion for Leave to File Centillion's Corrected Reply Brief in Support of Its Motion to Compel</i> by CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit Exhibit 1# <u>2</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/06/2006)
09/07/2006	<u>303</u>	 99.81KB	ORDER granting <u>301</u> Motion to Amend/Correct reply brief. The reply brief is deemed filed as of 8/31/06. Signed by Judge William T. Lawrence on 9/7/06. (CLL) (Entered: 09/11/2006)
09/08/2006	<u>302</u>	 99.46KB	ORDER granting <u>300</u> Motion to withdraw reply. Signed by Judge William T. Lawrence on 9/8/06. (CLL) (Entered: 09/11/2006)
10/27/2006	<u>305</u>		MOTION to Appear pro hac vice, filed by Defendant QWEST,

		 161.25KB	Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/27/2006)
10/30/2006	<u>306</u>	 16.01KB	MOTION to Modify <i>the Revised Case Management Plan</i> , filed by Defendants CONVERGYS CORPORATION, QWEST., (Dimos, James) (Entered: 10/30/2006)
11/01/2006	<u>307</u>	 85.80KB	ORDER granting in part and denying in part <u>306</u> Motion to Modify Case Management Plan. The 1/8/07 final pretrial conference is VACATED and RE-SET as a Status Conference at 2:00 PM in room #204 before Judge Larry J. McKinney. The 1/29/07 jury trial is VACATED and will be re-set at the status conference. Signed by Judge Larry J. McKinney on 11/01/06. (GJQ) (Entered: 11/01/2006)
11/13/2006	<u>308</u>	 160.95KB	MOTION for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> , filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC., (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 11/13/2006)
11/13/2006	<u>309</u>	 0.72MB	BRIEF/MEMORANDUM in Support re <u>308</u> MOTION for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> MOTION for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> , filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D)(Fowler, Phillip) (Entered: 11/13/2006)
11/13/2006	<u>310</u>	 83.94KB	Statement (<i>Rule 37.1</i>) In Support of Its Motion for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.. (Fowler, Phillip) (Entered: 11/13/2006)
11/16/2006	<u>311</u>	 18.92KB	RECEIPT #102 9731 in the amount of \$ 30.00 for phv fee, Buxton (PG) (Entered: 11/16/2006)
11/17/2006	<u>312</u>	 105.20KB	ORDER granting <u>305</u> Motion to Appear pro hac vice. Attorney Dale Buxton, II for the QWEST parties added. Signed by Judge William T. Lawrence on 11/17/2006. c/m WTL (TMA) (Entered: 11/20/2006)
11/28/2006	<u>313</u>	 201.18KB	RESPONSE in Opposition re <u>308</u> MOTION for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> MOTION for Protective Order to <i>Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A)(Tragesser, Joel) (Entered: 11/28/2006)








































12/05/2006	<u>314</u>	 207.69KB	REPLY in Support of Motion re <u>308</u> MOTION for Protective Order to Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions MOTION for Protective Order to Preclude Additional Duplicative Fed. R. Civ. P. 30(B)(6) Depositions, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B)(Campbell, David) (Entered: 12/05/2006)
12/19/2006	<u>315</u>	 47.17KB	ORDER granting in part and denying in part <u>295</u> Motion to Compel; denying <u>308</u> Motion for Protective Order. Signed by Judge William T. Lawrence on 12/19/2006. (TMA) (Entered: 12/19/2006)
12/29/2006	<u>316</u>	 86.48KB	SCHEDULING ORDER: Telephonic Status Conference is set for 1/12/07 at 2:00 PM, EST, before Judge Larry J. McKinney. Counsel for Plaintiff shall arrange the conference call. The 1/8/07 status conference is VACATED. Signed by Judge Larry J. McKinney on 12/29/06. (GJQ) (Entered: 12/29/2006)
01/08/2007	<u>317</u>	 78.96KB	NOTICE, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, re <u>316</u> Scheduling Order, <i>NOTICE CONCERNING TELEPHONIC STATUS CONFERENCE</i> . (Fowler, Phillip) (Entered: 01/08/2007)
01/10/2007	<u>318</u>	 174.44KB	MOTION to Compel the Production of Convergys' Software Products, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC., (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 01/10/2007)
01/10/2007	<u>319</u>	 1.26MB	*** WITHDRAWN PER <u>323</u> ORDER OF 1/12/07 - REPLACED BY CORRECTED MEMORANDUM FOUND ATTACHED TO <u>321</u> MOTION TO WITHDRAW/CORRECT *** BRIEF/MEMORANDUM in Support re <u>318</u> MOTION to Compel the Production of Convergys' Software Products, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E# <u>6</u> Exhibit F# <u>7</u> Exhibit G# <u>8</u> Exhibit H# <u>9</u> Exhibit I)(Fowler, Phillip) Modified on 1/12/2007 (TMA). (Entered: 01/10/2007)
01/10/2007	<u>320</u>	 82.61KB	Statement Centillion's Rule 37.1 Statement in Support of Its Motion to Compel the Production of Convergys' Software Products by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 01/10/2007)
01/11/2007	<u>321</u>	 3.36MB	*** Corrected Memorandum and Exhibits in Support of MOTION to Compel the Production of Convergys' Software Products, PER <u>323</u> ORDER OF 1/12/07 *** MOTION for Leave to File <i>Corrected Memorandum and Exhibits in Support of Motion to Compel (and Withdraw Memorandum and Exhibits in Support of Motion to Compel filed 1/10/07)</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC., (Attachments: # <u>1</u> Exhibit 1 (Corrected Memorandum in Support of Motion to Compel)# <u>2</u> Exhibit A# <u>3</u> Exhibit B# <u>4</u> Exhibit C# <u>5</u> Exhibit D# <u>6</u> Exhibit E# <u>7</u> Exhibit F# <u>8</u>









			Exhibit G# <u>9</u> Exhibit H# <u>10</u> Exhibit I# <u>11</u> Exhibit J# <u>12</u> Exhibit K# <u>13</u> Exhibit L# <u>14</u> Exhibit M# <u>15</u> Exhibit N# <u>16</u> Exhibit O# <u>17</u> Text of Proposed Order)(Fowler, Phillip) Modified on 1/12/2007 (TMA). (Entered: 01/11/2007)
01/12/2007	<u>322</u>	 18.40KB	Submission of <i>Parties' Proposed Deadlines and Trial Dates</i> , filed by Defendants Citizens Communications Company, BELLSOUTH CORPORATION, CONVERGYS CORPORATION, MID AMERICA COMPUTER CORPORATION, QWEST, TELEPHONE DATA SYSTEMS, INC., TRAQ-WIRELESS, INC., Counter Claimant CONVERGYS CORPORATION, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Tragesser, Joel) (Entered: 01/12/2007)
01/12/2007	<u>323</u>	 133.94KB	ORDER granting <u>321</u> Plaintiff's Motion for Leave to Withdraw Memorandum and Exhibits in Support of Motion to Compel and to File Corrected Memorandum and Exhibits in Support of Motion to Compel. Plaintiff's corrected Memorandum and Exhibits in support of its Motion to Compel (attached to its motion <u>321</u>) are deemed to have been filed on the date of this Order. Signed by Judge William T. Lawrence on 01/12/07. (TMA) (Entered: 01/12/2007)
01/12/2007	<u>324</u>	 100.00KB	ENTRY & SCHEDULING ORDER: Parties appear by counsel for Status Conference. The Court notified the parties that it expects to issue its claim construction decision sometime in April 2007. Based on that date, the Court set the following deadlines. Discovery due by 6/30/2007. Dispositive Motions due by 9/30/2007. Final Pretrial Conference set for 2/15/2008 10:00 AM in room #204 before Judge Larry J. McKinney. Jury Trial set for 3/3/2008 09:30 AM in room #202 before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 1/12/07. (PG) (Entered: 01/12/2007)
01/29/2007	<u>325</u>	 0.57MB	RESPONSE in Opposition re <u>318</u> MOTION to Compel <i>the Production of Convergys' Software Products</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A - Plaintiffs' Complaint# <u>2</u> Exhibit B - Plaintiffs' First Amended Complaint# <u>3</u> Exhibit C - Plaintiffs' Second Amended Complaint)(Tragesser, Joel) (Entered: 01/29/2007)
01/29/2007	<u>326</u>		SEALED <i>Exhibits D and E</i> , re <u>325</u> Response in Opposition to Motion,, filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit D - Plaintiff's Preliminary Infringement Contentions# <u>2</u> Exhibit E - Centillion's Second Supplemental and Amended Objections and Answers to Convergys's First Set of Interrogatories) (Tragesser, Joel) (Entered: 01/29/2007)




02/12/2007	<u>327</u>	 1.30MB	REPLY in Support of Motion re <u>318</u> MOTION to Compel the Production of Convergys' Software Products (<i>CENTILLION'S MEMORANDUM IN REPLY TO CONVERGYS CORPORATION'S OPPOSITION TO CENTILLION'S MOTION TO COMPEL</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A# <u>2</u> Exhibit B# <u>3</u> Exhibit C# <u>4</u> Exhibit D# <u>5</u> Exhibit E# <u>6</u> Exhibit F# <u>7</u> Exhibit G# <u>8</u> Exhibit H# <u>9</u> Exhibit I# <u>10</u> Exhibit J) (Fowler, Phillip) (Entered: 02/12/2007)
04/30/2007	<u>328</u>	 41.04KB	Minute Entry ON 4/27/07 Status Conference, held before Judge William T. Lawrence. (See Entry for deadlines.) (TMA) (Entered: 04/30/2007)
05/01/2007	<u>329</u>	 50.67KB	ORDER granting <u>318</u> Motion to Compel the Production of Convergys' Software Products. See Entry for deadlines. Signed by Judge William T. Lawrence on 5/1/07. (JHO) (Entered: 05/01/2007)
05/08/2007	<u>330</u>	 174.11KB	MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order Entered December 19, 2006 and For Sanctions, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC., (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/08/2007)
05/08/2007	<u>331</u>	 4.83MB	BRIEF/MEMORANDUM in Support re <u>330</u> MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order Entered December 19, 2006 and For Sanctions, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 5# <u>5</u> Exhibit 6# <u>6</u> Exhibit 7# <u>7</u> Exhibit 8# <u>8</u> Exhibit 9# <u>9</u> Exhibit 10# <u>10</u> Exhibit 11# <u>11</u> Exhibit 12# <u>12</u> Exhibit 15# <u>13</u> Exhibit 16# <u>14</u> Exhibit 17)(Fowler, Phillip) (Entered: 05/08/2007)
05/08/2007	<u>332</u>		*** SEALED PER <u>334</u> ORDER OF 5/9/07 *** SEALED Exhibits 4, 13, and 14, re <u>331</u> Brief/Memorandum in Support of Motion,, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 4# <u>2</u> Exhibit 13 -- Part 1# <u>3</u> Exhibit 13 -- Part 2# <u>4</u> Exhibit 14 -- Part 1# <u>5</u> Exhibit 14 -- Part 2)(Fowler, Phillip) Modified on 5/9/2007 (TMA). (Entered: 05/08/2007)
05/08/2007	<u>333</u>	 156.46KB	MOTION to Seal Document <u>332</u> SEALED Document, Exhibits 4, 13, and 14 to Brief in Support of Motion to Enforce..., filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/08/2007)
05/09/2007	<u>334</u>	 111.67KB	ORDER granting <u>333</u> Plaintiff's Motion to Seal <u>332</u> Exhibits 4, 13, and 14. Signed by Judge William T. Lawrence on 05/09/2007. (TMA) (Entered: 05/09/2007)
05/15/2007	<u>335</u>		MOTION for Reconsideration re <u>329</u> Order on Motion to Compel, filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION., (Attachments: # <u>1</u> Exhibit A - Def.s Responses to Pl.s First Set of Interrogatories# <u>2</u> Exhibit B - Def.s Responses to Pl.s First Set of Document Requests#

		 5.69MB	<u>3</u> Exhibit C - Def.s Responses to Pl.s First Set of Requests for Admission# <u>4</u> Exhibit D - Greenbaum Ltr. to Wegener, Dec. 16, 2005# <u>5</u> Exhibit E - Han Ltr. to Greenbaum, Feb. 4, 2005# <u>6</u> Exhibit F - Han Ltr. to Greenbaum, Feb. 9, 2005# <u>7</u> Exhibit G - Wegener Ltr. to Greenbaum, Mar. 3, 2005# <u>8</u> Exhibit H - Greenbaum E-mail to Han, Feb. 16, 2005# <u>9</u> Exhibit I - Preliminary Infringement Contentions# <u>10</u> Exhibit J - Pl.s Second Supp. Responses to Def.s First Set of Interrogs.# <u>11</u> Text of Proposed Order Granting Motion to Reconsider)(Tragesser, Joel) (Entered: 05/15/2007)
05/16/2007	<u>336</u>	 165.02KB	MOTION for Leave to File <i>Submission in Response to the Court's May 1, 2007 Entry</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION., (Attachments: # <u>1</u> Exhibit 1 to Motion for Leave - Submission in Response to the Court's May 1, 2007 Entry# <u>2</u> Exhibit 1 to Submission - Lane-White Ltr. to Seal, May 15, 2007# <u>3</u> Text of Proposed Order Granting Motion for Leave to File Submission) (Tragesser, Joel) (Entered: 05/16/2007)
05/16/2007	<u>338</u>	 44.15KB	RESPONSE re <u>329</u> Order on Motion to Compel, filed by Defendant CONVERGYS CORPORATION. (TMA) (Entered: 05/17/2007)
05/16/2007	<u>340</u>	 27.34KB	CORRECTED DOCUMENT - Please disregard the incorrect document re <u>338</u> Response which was attached in Error. Corrected document has been attached to this entry. (TMA) (Entered: 05/17/2007)
05/17/2007	<u>337</u>	 44.15KB	ORDER granting <u>336</u> Convergys' Motion for Leave to File its Submission in Response to the Courts May 1, 2007 Entry (Docket No. 329). Signed by Judge William T. Lawrence on 05/17/2007. (TMA) (Entered: 05/17/2007)
05/17/2007	<u>339</u>	 7.74KB	NOTICE, filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION of <i>No Objection to Its Motion for Leave to File Submission in Response to the Court's May 1, 2007 Entry</i> . (Tragesser, Joel) (Entered: 05/17/2007)
05/17/2007	<u>341</u>	 150.27KB	RESPONSE to Court's <u>329</u> Order on Motion to Compel, filed by Defendant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Lane White Ltr to Seal)(PG) (Entered: 05/18/2007)
05/18/2007	<u>342</u>	 79.14KB	ORDER regarding Court's Entry <u>329</u> dated May 1, 2007. Based on Convergys submission, the Court concludes that the best way forward is for Centillion and all defendants to meet and confer about the appropriate claim terms that need construed to address Convergys concerns regarding the breadth of certain terms. The parties shall have twenty days from the date of this Order to submit a joint proposal for construction of additional claim terms that would assist the trier of fact resolve the parties dispute. Signed by Judge Larry J. McKinney on 5/18/07. (PG) (Entered: 05/18/2007)
05/18/2007	<u>343</u>		RESPONSE in Opposition re <u>330</u> MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order

		 4.27MB	<i>Entered December 19, 2006 and For Sanctions Qwest's Opposition to Plaintiff's Motion to Enforce Entry Re Motion to Compel and Motion for Protective Order Entered December 19, 2006</i> , filed by Defendant QWEST. (Attachments: # (1) Exhibit A# (2) Exhibit B# (3) Exhibit C# (4) Exhibit D, Part One# (5) Exhibit D, Part Two# (6) Exhibit E, Part One# (7) Exhibit E, Part Two# (8) Exhibit F, Part One# (9) Exhibit F, Part Two# (10) Exhibit G, Part One# (11) Exhibit G, Part Two# (12) Exhibit H# (13) Exhibit I# (14) Exhibit J# (15) Exhibit K# (16) Exhibit L)(Belusko, Vincent) Modified on 5/24/2007 (PG). (Entered: 05/18/2007)
05/22/2007	<u>344</u>	 23.00KB	MOTION to Seal Document <u>343</u> Response in Opposition to Motion,, <i>Qwest's Motion to Seal Certain Exhibits Filed In Support of Its Opp. to Pltfs.' Motion to Enforce Entry Re Motion to Compel and Motion for Protective Order Entered December 19, 2006 and for Sanctions</i> , filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order re Qwest's Motion to Seal Certain Exhibits)(Belusko, Vincent) (Entered: 05/22/2007)
05/23/2007	<u>345</u>	 141.94KB	REPLY in Support of Motion re <u>330</u> MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order Entered December 19, 2006 and For Sanctions, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 05/23/2007)
05/23/2007	<u>346</u>	 49.34KB	ORDER granting <u>344</u> Motion to Seal Certain Exhibits to <u>343</u> Response in Opposition to Motion. Signed by Judge Larry J. McKinney on 5/23/07. (PG) (Entered: 05/24/2007)
05/30/2007	<u>347</u>	 315.22KB	RESPONSE in Opposition re <u>335</u> MOTION for Reconsideration re <u>329</u> Order on Motion to Compel MOTION for Reconsideration re <u>329</u> Order on Motion to Compel MOTION for Reconsideration re <u>329</u> Order on Motion to Compel, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5 (Filed Under Seal))(Fowler, Phillip) (Entered: 05/30/2007)
05/30/2007	<u>348</u>		SEALED <i>Exhibit 5</i> , re <u>347</u> Response in Opposition to Motion,, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Cover Sheet for Sealed Document)(Fowler, Phillip) (Entered: 05/30/2007)
05/30/2007	<u>349</u>	 152.15KB	MOTION to Seal Document <u>348</u> SEALED Document <i>Exhibit 5 to Centillion's Memorandum in Opposition to Convergys' Motion Reconsider The Court's Entry Granting Centillion's Motion To Compel</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/30/2007)
05/31/2007	<u>350</u>	 114.04KB	ORDER granting <u>349</u> Motion to Seal Document <u>348</u> SEALED Exhibit 5. Signed by Judge Larry J. McKinney on 5/31/07. (PG)

			(Entered: 05/31/2007)
06/07/2007	<u>351</u>	 16.06KB	Submission (<i>Joint</i>) Regarding Additional Claim Construction, filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Claim Terms to be Construed, with Proposed Definitions)(Tragesser, Joel) (Entered: 06/07/2007)
06/12/2007	<u>352</u>	 77.16KB	ORDER re: (Joint) Submission Regarding Additional Claim Construction <u>351</u> . Signed by Judge Larry J. McKinney on 6/12/07. (PG) (Entered: 06/12/2007)
06/13/2007	<u>353</u>	 6.40MB	REPLY in Support of Motion re <u>335</u> MOTION for Reconsideration re <u>329</u> Order on Motion to Compel MOTION for Reconsideration re <u>329</u> Order on Motion to Compel MOTION for Reconsideration re <u>329</u> Order on Motion to Compel MOTION for Reconsideration re <u>329</u> Order on Motion to Compel, filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit A - Convergys' Responses to Centillion's 1st Set of Interrogatories# <u>2</u> Exhibit B-1 - Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>3</u> Exhibit B-2 - (Claim Chart - Geneva) Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>4</u> Exhibit B-3 - (Claim Chart - Infinys) Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>5</u> Exhibit B-4 - (ICOMS claim chart) - Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>6</u> Exhibit B-5 (Wizard claim chart) - Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>7</u> Exhibit B-5 (Atlys claim chart) - Pl.s Supp. Responses to Def.s Interrog. No. 3# <u>8</u> Exhibit C - Centillion's Second Set of Interrogatories to Convergys# <u>9</u> Exhibit D - Convergys' Responses to Centillion's Second Set of Interrogatories)(Tragesser, Joel) (Entered: 06/13/2007)
06/26/2007	<u>354</u>	 85.58KB	NOTICE, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC <i>Notice of Parties' Proposed Deadlines and Trial Dates</i> . (Fowler, Phillip) (Entered: 06/26/2007)
07/02/2007	<u>355</u>	 4.14MB	REPLY in Support of Motion re <u>330</u> MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order Entered December 19, 2006 and For Sanctions Plaintiff Centillion Data Systems' Opening Memorandum On Additional Claim Interpretation Issues, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5)(Fowler, Phillip) (Entered: 07/02/2007)
07/02/2007	<u>356</u>		BRIEF/MEMORANDUM in Support re <u>330</u> MOTION to Enforce Entry Regarding Motion to Compel and Motion for Protective Order Entered December 19, 2006 and For Sanctions Opening






		 6.10MB	<i>Memorandum on Additional Claim Construction</i> , filed by Defendants CONVERGYS CORPORATION, QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1-A# <u>2</u> Exhibit 1-B# <u>3</u> Exhibit 1-C# <u>4</u> Exhibit 1-D# <u>5</u> Exhibit 1-E# <u>6</u> Exhibit 2# <u>7</u> Exhibit 3# <u>8</u> Exhibit 4# <u>9</u> Exhibit 5# <u>10</u> Exhibit 6# <u>11</u> Exhibit 7)(Belusko, Vincent) (Entered: 07/02/2007)
07/06/2007	<u>357</u>	 21.98KB	<i>MOTION Parties' Joint Motion to Rename Supplemental Markman Filings and Unattach Filings from December 19, 2006 Motion</i> , filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC., (Belusko, Vincent) (Entered: 07/06/2007)
07/06/2007	<u>358</u>	 7.88KB	<i>Proposed Order on Parties' Joint Motion to Rename Supplemental Markman Filings and Unattach Filings From December 19, 2006 Motion</i> , filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC., (Belusko, Vincent) Modified on 7/9/2007 (PG). (Entered: 07/06/2007)
07/09/2007	<u>359</u>	 45.21KB	ORDER granting <u>357</u> Motion to Rename Supplemental Markman Filings and Unattach Filings from December 19, 2006. Signed by Judge Larry J. McKinney on 7/9/07. (PG) (Entered: 07/09/2007)
07/09/2007	<u>360</u>	 4.14MB	Plaintiff Centillion Data Systems' Opening Memorandum on Additional Claim Interpretation Issues, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5)(PG) (Entered: 07/09/2007)
07/09/2007	<u>361</u>	 6.10MB	Qwest and Convergys' Opening Memorandum on Additional Claim Construction, filed by Defendants CONVERGYS CORPORATION, QWEST. (Attachments: # <u>1</u> Exhibit 1-A# <u>2</u> Exhibit 1-B# <u>3</u> Exhibit 1-C# <u>4</u> Exhibit 1-D# <u>5</u> Exhibit 1-E# <u>6</u> Exhibit 2# <u>7</u> Exhibit 3# <u>8</u> Exhibit 4# <u>9</u> Exhibit 5# <u>10</u> Exhibit 6# <u>11</u> Exhibit 7)(PG) (Entered: 07/09/2007)
07/23/2007	<u>362</u>	 0.65MB	<i>NOTICE Plaintiff Centillion Data Systems' Reply Memorandum on Additional Claim Interpretation Issues</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, re <u>360</u> Submission. (Attachments: # <u>1</u> Exhibit 6 -- Declaration of Jack D. Grimes, Ph.D., in Support of Centillion Data Systems' Reply Memorandum on Additional Claim Interpretation Issues) (Fowler, Phillip) (Entered: 07/23/2007)
07/23/2007	<u>363</u>	 221.67KB	<i>NOTICE Qwest and Convergys Answering Brief on Additional Claim Construction</i> , filed by Defendants CONVERGYS CORPORATION,








			QWEST, re <u>360</u> Submission. (Attachments: # <u>1</u> Exhibit 8) (Belusko, Vincent) (Entered: 07/23/2007)
07/30/2007	<u>364</u>	 42.93KB	ENTRY REGARDING AMENDMENT OF PRETRIAL DEADLINES (See Entry). Signed by Judge William T. Lawrence on 07/30/2007. (TMA) (Entered: 07/30/2007)
09/18/2007	<u>365</u>	 39.95KB	ORDER denying <u>335</u> Defendant's Motion for Reconsideration of the Court's Entry Granting Centillion Data Systems, LLCs Motion to Compel. Signed by Judge William T. Lawrence on 09/18/2007. (TMA) (Entered: 09/18/2007)
10/03/2007	<u>366</u>	 200.45KB	MOTION to Compel <i>Qwest To Produce Discovery Relating To Government Contracts And For Sanctions</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC., (Attachments: # <u>1</u> Text of Proposed Order Proposed Order on Motion to Compel)(Fowler, Phillip) (Entered: 10/03/2007)
10/03/2007	<u>367</u>		BRIEF/MEMORANDUM in Support re <u>366</u> MOTION to Compel <i>Qwest To Produce Discovery Relating To Government Contracts And For Sanctions</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- July 13, 2007 letter from Weissman to Gallegos# <u>2</u> Exhibit 2 -- July 26, 2007 letter from Weissman to Gallegos# <u>3</u> Exhibit 3 -- July 27, 2007 letter from Buxton to Weissman# <u>4</u> Exhibit 4 -- July 30, 2007 letter from Weissman to Buxton# <u>5</u> Exhibit 5 -- August 2, 2007 letter from Weissman to Buxton# <u>6</u> Exhibit 6 -- August 13, 2007 letter from Buxton to White# <u>7</u> Exhibit 7 -- August 24, 2007 letter from White to Buxton# <u>8</u> Exhibit 8 -- August 29, 2007 letter from Buxton to Weissman# <u>9</u> Exhibit 9 -- August 31, 2007 letter from Weissman to Buxton# <u>10</u> Exhibit 10 -- September 11, 2007 letter from Buxton to Weissman# <u>11</u> Exhibit 11 -- September 11, 2007 letter from Buxton to Weissman# <u>12</u> Exhibit 12 -- September 21, 2007 letter from Weissman to Buxton# <u>13</u> Exhibit 13 -- Qwest Control Network Infringement Claim Chart (Enclosure to September 21, 2007 letter from Weissman to Buxton) (filed under seal)# <u>14</u> Cover Sheet for Sealed Document 14 -- September 25, 2007 letter from Weissman to Buxton# <u>15</u> Exhibit 15 -- Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, served July 16, 2004# <u>16</u> Exhibit 16 -- Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, served April 1, 2005# <u>17</u> Exhibit 17 -- Plaintiffs First Set of Requests for Production of Documents to Defendants Qwest Communications International, Inc. and Qwest Corporation, served July 16, 2004# <u>18</u> Exhibit 18 -- Plaintiffs First Set of Requests for Production of Documents to Defendant Qwest Communications Corporation, served April 1, 2005# <u>19</u> Exhibit 19 -- Plaintiffs Fourth Set of Requests for Production of Documents and Second Request for Inspection to Qwest Communications Corporation, Qwest






 12.93MB












Communications International, Inc. and Qwest Corporation, served July 18, 2007# 20 Exhibit 20 -- Qwest Communications International Inc.s Response to Plaintiffs First Set of Requests for Production of Documents to Defendants Qwest Communications International Inc. and Qwest Corporation, dated August 18, 2004# 21 Exhibit 21 -- Qwest Corporations Response to Plaintiffs First Set of Requests for Production of Documents to Defendants Qwest Communications International Inc. and Qwest Corporation, dated August 18, 2004# 22 Exhibit 22 -- Qwest Communications Corporations Response to Plaintiffs First Set of Requests for Production of Documents to Defendant Qwest Communications Corporation, dated July 8, 2005# 23 Exhibit 23 -- Qwest Communications Corporations Response to Plaintiffs Fourth Set of Requests for Production of Documents and Inspection to Defendant Qwest Communications Corporation, Qwest Communications International, Inc. and Qwest Corporation, dated August 1# 24 Exhibit 24 -- Qwest Communications International Inc.s Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated August 18, 2004 (Response to Interrogatory Nos. 9-11 and 20)# 25 Exhibit 25 -- Qwest Communications International Inc.s Fifth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated January 18, 2007 (Response to Interrogatory No. 20)# 26 Exhibit 26 -- Qwest Communications International Inc.s Sixth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated March 16, 2007 (Responses to Interrogatory Nos. 9-11# 27 Exhibit 27 -- Qwest Corporations Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated October 18, 2005 (Responses to Interrogatory Nos. 9-11 and 20)# 28 Exhibit 28 -- Qwest Corporations Fifth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation dated January 18, 2007 (Response to Interrogatory No. 20) (filed under seal)# 29 Exhibit 29 -- Qwest Corporations Sixth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated March 16, 2007 (filed under seal)# 30 Exhibit 30 -- Qwest Corporations Eighth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated June 6, 2007 (filed under seal)# 31 Exhibit 31 -- Qwest Communications Corporations Responses to Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, dated July 8, 2005 (Responses to Interrogatory Nos. 9-11 and 25)# 32 Exhibit 32 -- Qwest Communications Corporations Fifth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, dated January 18, 2007 (Response to Interrogatory No. 20) (filed under seal)# 33









		<p>Exhibit 33 -- Qwest Communications Corporation Sixth Supplemental Response to Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, dated March 16, 2007 (Response to Interrogatory Nos. 9-11 and 20) (filed under seal) # <u>34</u> Exhibit 34 -- Maricopa County Contract Pursuant to RFP, Serial 05159 - RFP, dated July 26, 2006 between Maricopa County and QCC and QC# <u>35</u> Exhibit 35 -- August 7, 2007 Qwest News Release entitled Qwest Federal, State and Local Government Business Landed in Leading Industry-Analyst Report# <u>36</u> Exhibit 36 -- July 26, 2007 Qwest News Release entitled Qwest Launches Network Enterprise Services; Expands Network Operations Center for Federal Customers# <u>37</u> Exhibit 37 -- 3.10 Billing C.3.6, Networkx document dated August 31, 2005 (filed under seal)# <u>38</u> Exhibit 38 -- Qwest Website Posting for Reporting Tools# <u>39</u> Exhibit 39 -- May 9, 2007 Qwest News Release entitled Qwest Becomes First Carrier to Launch Products and Services for Federal Networkx Universal Contract# <u>40</u> Exhibit 40 -- QCC Customized Service Arrangement briefs for Networkx Universal and Networkx Enterprise# <u>41</u> Exhibit 41 -- Combined Declaration of Use and Incontestability Under Sections 8 and 15, dated January 12, 2007, specimens, and Trademark Office Notice of Acceptance and Acknowledgement of §§ 8 & 15 Declaration, dated February 17, 2007# <u>42</u> Exhibit 42 -- 3.10 Billing (L.34.2.3.10; M.3.1) (Networkx Universal), dated December 13, 2006 (redacted by Qwest)# <u>43</u> Exhibit 43 -- 3.10 Billing (L.34.2.3.10; M.3.1) (Networkx Enterprise), dated March 5, 2007 (redacted by Qwest)# <u>44</u> Exhibit 44 -- Qwest Control Networkx Log-in# <u>45</u> Exhibit 45 -- Qwest Website Posting for FTS2001 Crossover - Contract #GS00T02AHD0004# <u>46</u> Exhibit 46 -- Qwest Control Website posting# <u>47</u> Exhibit 47 -- May 1, 2000 Qwest News Release entitled Qwest Communications Introduces Qwest ControlSM Web-Based Network Management Service# <u>48</u> Exhibit 48 -- eBill Companion website posting# <u>49</u> Exhibit 49 -- Qwest Website Posting for WITS2001-Control Number GS00T02AHD0004# <u>50</u> Exhibit 50 -- November 12, 2004 Order by U.S. District Court, Western District of Washington# <u>51</u> Exhibit 51 -- March 29, 2007 Qwest News Release entitled GSA Awards Qwest a Part of \$20 Billion Networkx Universal Contract# <u>52</u> Exhibit 52 -- May 31, 2007 Qwest News Release entitled Qwest Selected for \$20 Billion U.S. Government Networkx Enterprise Contract)(Fowler, Phillip) (Entered: 10/03/2007)</p>
10/03/2007	<u>368</u>	<p>SEALED <i>Demonstrative Exhibit Nos. 13, 28, 29, 20, 32, 33, and 37, re 367</i> Brief/Memorandum in Support of Motion,,,,,,,,,,,,,,,,,,,,, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 13 -- Qwest Control Networkx Infringement Claim Chart (Enclosure to September 21, 2007 letter from Weissman to Buxton) (filed under seal)# <u>2</u> Exhibit 28 -- Qwest Corporations Fifth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation dated January 18, 2007 (Response to Interrogatory No. 20) (filed under seal)# <u>3</u> Exhibit 29 -- Qwest Corporations Sixth</p>










			Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated March 16, 2007 (filed under seal)# <u>4</u> Exhibit 30 -- Qwest Corporations Eighth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendants Qwest Communications International, Inc. and Qwest Corporation, dated June 6, 2007 (filed under seal)# <u>5</u> Exhibit 32 -- Qwest Communications Corporations Fifth Supplemental Responses to Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, dated January 18, 2007 (Response to Interrogatory No. 20) (filed under seal)# <u>6</u> Exhibit 33 -- Qwest Communications Corporation Sixth Supplemental Response to Plaintiffs First Set of Interrogatories to Defendant Qwest Communications Corporation, dated March 16, 2007 (Response to Interrogatory Nos. 9-11 and 20) (filed under seal)# <u>7</u> Exhibit 37 -- 3.10 Billing C.3.6, Networx document dated August 31, 2005 (filed under seal))(Fowler, Phillip) (Entered: 10/03/2007)
10/03/2007	<u>369</u>	 157.72KB	MOTION to Seal Document <u>368</u> SEALED Document,,,,, <i>Centillion's Motion to Seal Certain Documents Filed in Support of Centillion's Memorandum in Support of Motion to Compel Qwest to Produce Discovery Relating to Government Contracts and for Sanctions</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/03/2007)
10/03/2007	<u>370</u>	 92.90KB	Statement <i>Centillion's Local Rule 37.1 Statement in Support of Its Motion to Compel Discovery of Qwest Government Contracts and for Sanctions</i> by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 10/03/2007)
10/04/2007	<u>371</u>	 37.61KB	ENTRY Resolves <u>330</u> MOTION TO ENFORCE ENTRY. (See Entry) Signed by Judge William T. Lawrence on 10/04/2007. (TMA) (Entered: 10/04/2007)
10/05/2007	<u>372</u>	 110.10KB	ORDER granting <u>369</u> Motion to Seal Document <u>368</u> SEALED Document in support of Motion to Compel. Signed by Judge William T. Lawrence on 10/05/07. (JHO) (Entered: 10/05/2007)
10/22/2007	<u>373</u>	 2.74MB	RESPONSE in Opposition re <u>366</u> MOTION to Compel <i>Qwest To Produce Discovery Relating To Government Contracts And For Sanctions Qwest's Opposition to Plaintiff's Motion to Compel Qwest to Produce Discovery Relating to Goveernment Contracts and For Sanctions</i> , filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit 1# <u>2</u> Exhibit 2# <u>3</u> Exhibit 3# <u>4</u> Exhibit 4# <u>5</u> Exhibit 5# <u>6</u> Exhibit 6# <u>7</u> Exhibit 7# <u>8</u> Exhibit 8# <u>9</u> Exhibit 9# <u>10</u> Exhibit 10# <u>11</u> Exhibit 11# <u>12</u> Exhibit 12# <u>13</u> Exhibit 13# <u>14</u> Exhibit 14)(Belusko, Vincent) (Entered: 10/22/2007)
11/02/2007	<u>374</u>		REPLY in Support of Motion re <u>366</u> MOTION to Compel <i>Qwest To Produce Discovery Relating To Government Contracts And For Sanctions</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC.







		 0.63MB	(Attachments: # <u>1</u> Exhibit 53 (Sealed)# <u>2</u> Exhibit 54 (1st Amended Complaint for Declaratory Judgment and Invalidity of US Patent No. 5,287,270)# <u>3</u> Exhibit 55 (Sealed)# <u>4</u> Exhibit 56 (Sealed)# <u>5</u> Exhibit 57 (Rule 30(b)(6) Deposition Transcript Excerpts)# <u>6</u> Exhibit 58 (Qwest Tariff Activity Bulletin Board (Indiana))# <u>7</u> Exhibit 59 (Qwest Tariff Activity Bulletin Board (Maryland))# <u>8</u> Exhibit 60 (10-23-07 Ltr from White to Belushko, et al.)# <u>9</u> Exhibit 61 (10-31-07 Ltr from White to Belushko, et al.))(Fowler, Phillip) (Entered: 11/02/2007)
11/02/2007	<u>375</u>		*** SEALED PER <u>377</u> ORDER OF 11/05/07 *** SEALED <i>Exhibits 53, 55, and 56</i> , re <u>374</u> Reply in Support of Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 53 (6-9-05 Ltr from Convergys to Qwest w/ Appended Proposal)# (2) Exhibit 55 (12-2-05 E-mail from Lewis to Taylor)# (3) Exhibit 56 (11-14-07 E-mail from Steggeman to Ashok, et al. w/ Appended Spreadsheet))(Fowler, Phillip) Modified on 11/6/2007 (TMA). (Entered: 11/02/2007)
11/02/2007	<u>376</u>	 153.31KB	MOTION to Seal Document <u>375</u> SEALED Document, <i>Exhibits 53, 55, and 56 to Centillion's Reply...</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 11/02/2007)
11/05/2007	<u>377</u>	 109.88KB	ORDER granting <u>376</u> Motion to Seal <u>375</u> Exhibit Nos. 53, 55, and 56. Signed by Judge William T. Lawrence on 11/05/2007. (TMA) (Entered: 11/06/2007)
12/19/2007	<u>378</u>	 28.18KB	MOTION for Protective Order (<i>confidential Convergys technical information</i>), filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion for a Protective Order) (Tragesser, Joel) (Entered: 12/19/2007)
12/19/2007	<u>379</u>	 14.91KB	Statement pursuant to Local Rule 37.1 by CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 12/19/2007)
12/19/2007	<u>380</u>	 9.65KB	SEALED <i>Brief in Support of Convergys' Motion for a Protective Order</i> , re <u>378</u> Motion for Protective Order, filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # (1) Exhibit 1 - Lane-White e-mail to Seal, dated November 30, 2007, # (2) Exhibit 2 - Declaration of Seal, # (3) Exhibit 12 - Declaration of Lento)(Tragesser, Joel) Modified on 12/21/2007 (TMA). ***SEALED PER <u>385</u> ORDER OF 12/21/07, EXHIBIT 1 IS UNSEALED *** (Entered: 12/19/2007)
12/19/2007	<u>381</u>	 0.58MB	EXHIBIT re <u>380</u> SEALED Document 3 - <i>Seal e-mail to Lane-White, dated Nov. 30, 2007</i> by CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit 4 - Seal e-mail to Lane-White, dated Dec. 5, 2007, # <u>2</u> Exhibit 5 - Whois.com Report, # <u>3</u> Exhibit 6 - Seal e-mail to Lane-White, dated 12/6/07, # <u>4</u> Exhibit 7 - Lane-White e-mail to Seal, dated 12/7/07, # <u>5</u> Exhibit 8 - Lane-White e-mail to Seal,








			dated 12/17/07, # <u>6</u> Exhibit 9 - Lane-White e-mail to Seal, dated 12/6/07, # <u>7</u> Exhibit 10 - Seal e-mail to Lane-White, dated 12/7/07, # <u>8</u> Exhibit 11 - Seal e-mail to Lane-White, dated 12/17/07)(Tragesser, Joel) (Entered: 12/19/2007)
12/19/2007	<u>382</u>	 29.07KB	MOTION to Seal Document <u>380</u> SEALED Document <i>Brief in Support of Convergys' Motion for a Protective Order and Exhibits 1, 2, and 12</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Seal Documents) (Tragesser, Joel) (Entered: 12/19/2007)
12/20/2007	<u>383</u>	 50.08KB	RESPONSE in Opposition re <u>382</u> MOTION to Seal Document <u>380</u> SEALED Document <i>Brief in Support of Convergys' Motion for a Protective Order and Exhibits 1, 2, and 12</i> MOTION to Seal Document <u>380</u> SEALED Document <i>Brief in Support of Convergys' Motion for a Protective Order and Exhibits 1, 2, and 12</i> Objection to Motion to File Under Seal Exhibit 1 to <i>Brief in Support of Motion for Protective Order</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 12/20/2007)
12/20/2007	<u>384</u>	 18.05KB	REPLY in Support of Motion re <u>382</u> MOTION to Seal Document <u>380</u> SEALED Document <i>Brief in Support of Convergys' Motion for a Protective Order and Exhibits 1, 2, and 12</i> MOTION to Seal Document <u>380</u> SEALED Document <i>Brief in Support of Convergys' Motion for a Protective Order and Exhibits 1, 2, and 12</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 - Lane-White e-mail to Seal, dated November 30, 2007)(Tragesser, Joel) (Entered: 12/20/2007)
12/21/2007	<u>385</u>	 48.81KB	ORDER granting <u>382</u> Motion to Seal Document <u>380</u> Brief in Support of Convergys' Motion for a Protective Order. Signed by Magistrate Judge William T. Lawrence on 12/21/2007. (TMA) (Entered: 12/21/2007)
01/07/2008	<u>386</u>	 1.01MB	RESPONSE in Opposition re <u>378</u> MOTION for Protective Order (<i>confidential Convergys technical information</i>) MOTION for Protective Order (<i>confidential Convergys technical information</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A, # <u>2</u> Exhibit G, # <u>3</u> Exhibit H, # <u>4</u> Exhibit L, # <u>5</u> Exhibit M, # <u>6</u> Exhibit N, # <u>7</u> Exhibit O, # <u>8</u> Exhibit P, # <u>9</u> Exhibit Q)(Fowler, Phillip) (Entered: 01/07/2008)
01/07/2008	<u>387</u>		SEALED <i>Exhibit B to Brief</i> , re <u>386</u> Response in Opposition to Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit C, # <u>2</u> Exhibit D, # <u>3</u> Exhibit E, # <u>4</u> Exhibit F - Manual Filing (CD-ROM), # <u>5</u> Exhibit I, # <u>6</u> Exhibit J, # <u>7</u> Exhibit K)(Fowler, Phillip) (Entered: 01/07/2008)
01/07/2008	<u>388</u>		MOTION to Seal Document <u>387</u> SEALED Document <i>Exhibits B, C,</i>







		 153.05KB	D, E, F, I, J and K, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 01/07/2008)
01/07/2008	<u>389</u>	 83.03KB	NOTICE of Filing (Manual) Exhibit F to Dkt. 386, 387 by CENTILLION DATA SYSTEMS, LLC (Fowler, Phillip) (Entered: 01/07/2008)
01/07/2008	<u>390</u>	 246.47KB	MOTION to Withdraw Notice of Manual Filing and file Corrected Notice, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1, # <u>2</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 01/07/2008)
01/08/2008	<u>391</u>	 103.50KB	ORDER granting <u>388</u> Motion to Seal Document <u>387</u> SEALED Exhibit. Signed by Judge Larry J. McKinney on 1/8/08. (PG) (Entered: 01/09/2008)
01/08/2008	<u>392</u>	 108.03KB	ORDER granting <u>390</u> Motion to Withdraw <u>389</u> NOTICE of Manual Filing. Signed by Judge Larry J. McKinney on 1/8/08. (PG) (Entered: 01/09/2008)
01/08/2008	<u>393</u>	 90.53KB	CORRECTED NOTICE of Manual Filing by all plaintiff, Centillion Data Systems, LLC and CTI Group Holdings, Inc. (PG) (Entered: 01/09/2008)
01/09/2008	<u>394</u>	 245.49KB	ORDER on Claim Construction. See Order for details. Signed by Judge Larry J. McKinney on 01/09/08.(GJQ) (Entered: 01/09/2008)
01/10/2008	<u>395</u>	 9.01KB	SCHEDULING ORDER: Status/Scheduling Conference set for 1/23/2008 03:00 PM in room #277 before Magistrate Judge William T. Lawrence. Signed by Magistrate Judge William T. Lawrence on 1/10/08.(JHO) (Entered: 01/10/2008)
01/17/2008	<u>396</u>	 40.88KB	ENTRY sets for topics counsel shall be prepared to present argument regarding during the 1/23/08 status conference. (See Entry) Signed by Magistrate Judge William T. Lawrence on 1/17/08. (TMA) (Entered: 01/17/2008)
01/18/2008	<u>397</u>	 385.86KB	MOTION for Summary Judgment, filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion for Summary Judgment of Invalidity)(Tragesser, Joel) (Entered: 01/18/2008)
01/18/2008	<u>398</u>	 0.73MB	BRIEF/MEMORANDUM in Support re <u>397</u> MOTION for Summary Judgment, filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Tragesser, Joel) (Entered: 01/18/2008)
01/18/2008	<u>399</u>		MOTION to Stay of Discovery, filed by Defendants CONVERGYS











		 394.63KB	CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion for Stay of Discovery) (Tragesser, Joel) (Entered: 01/18/2008)
01/18/2008	<u>400</u>	 0.95MB	BRIEF/MEMORANDUM in Support re <u>399</u> MOTION to Stay of Discovery, filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit Ex A - White letter of Jan 16, 2008 to Convergys, # <u>2</u> Exhibit Ex B - White letter of Jan 16, 2008 to Qwest, # <u>3</u> Exhibit C - White letter of Jan 18, 2008 to Qwest)(Tragesser, Joel) (Entered: 01/18/2008)
01/22/2008	<u>401</u>	 24.55KB	REPLY in Support of Motion re <u>378</u> MOTION for Protective Order (<i>confidential Convergys technical information</i>) MOTION for Protective Order (<i>confidential Convergys technical information</i>), filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Tragesser, Joel) (Entered: 01/22/2008)
01/23/2008	<u>402</u>	 93.93KB	SCHEDULING ORDER: The 2/15/08 Final Pretrial Conference and 3/3/08 Jury Trial are VACATED. The Final Pretrial Conference is RE-SET for 2/13/09 at 2:00 PM in room #204 and the Jury Trial is RE-SET for 3/2/09 at 9:30 AM in courtroom #202, both before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 01/23/08. (GJQ) (Entered: 01/23/2008)
01/23/2008	<u>403</u>	 41.22KB	Minute Entry for proceedings held before Magistrate Judge William T. Lawrence: Status Conference held on 1/23/08. (See Entry for deadlines.) (TMA) (Entered: 01/24/2008)
01/28/2008	<u>404</u>	 41.29KB	ENTRY ENLARGES Discovery Deadlines (See Entry). Signed by Magistrate Judge William T. Lawrence on 01/28/2008. (TMA) (Entered: 01/28/2008)
01/30/2008	<u>405</u>	 0.52MB	RESPONSE in Opposition re <u>399</u> MOTION to Stay of Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A (Notice of Intent to Issue Ex Parte Reexamination Certificate), # <u>2</u> Exhibit B (Order by U.S. Dist.Ct., W.D. Wash., 12 Nov. 2004, p. 4), # <u>3</u> Exhibit C (Letter from V. Belusko to M. White et al., January 21, 2008))(Fowler, Phillip) (Entered: 01/30/2008)
02/04/2008	<u>406</u>	 38.36KB	REPLY in Support of Motion re <u>399</u> MOTION to Stay of Discovery Defendants' Reply In Support of Their Motion to Stay Discovery Pending Resolution of Their Motion for Summary Judgment, filed by Defendants CONVERGYS CORPORATION, QWEST. (Belusko, Vincent) (Entered: 02/04/2008)
02/13/2008	<u>407</u>		RESPONSE in Opposition re <u>397</u> MOTION for Summary Judgment, filed by Consol Defendant CITI GROUP (HOLDINGS) INC.,











		 2.42MB	Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A, # <u>2</u> Exhibit B, # <u>3</u> Exhibit C, Part 1, # <u>4</u> Exhibit C, Part 2, # <u>5</u> Exhibit C, Part 3, # <u>6</u> Exhibit C, Part 4, # <u>7</u> Exhibit C, Part 5, # <u>8</u> Exhibit D)(Fowler, Phillip) (Entered: 02/13/2008)
02/20/2008	<u>408</u>	 87.89KB	REPLY in Support of Motion re <u>397</u> MOTION for Summary Judgment of <i>Invalidity</i> , filed by Defendants CONVERGYS CORPORATION, QWEST, Counter Claimant CONVERGYS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 - Declaration of Dr. H.E. Dunsmore)(Tragesser, Joel) (Entered: 02/20/2008)
02/26/2008	<u>409</u>	 78.46KB	ORDER ON DEFENDANTS MOTIONS: For the reasons stated herein (see order), defendants, Convergys Corporation, Qwest Communications International and Qwest Corporation, <u>397</u> Motion for Summary Judgment is DENIED. Defendants, Convergys Corporation, Qwest Communications International and Qwest Corporation, Motion to Stay is <u>399</u> DENIED as MOOT. Signed by Judge Larry J. McKinney on 2/26/08. (PG) (Entered: 02/26/2008)
02/26/2008	<u>410</u>	 80.51KB	CORRECTED ORDER ON DEFENDANTS' MOTIONS re: <u>409</u> Order on Motion for Summary Judgment; Order on Motion to Stay. ***ORDER AMENDED TO CORRECT CLERICAL ERROR*** (PG) (Entered: 02/26/2008)
02/29/2008	<u>411</u>	 397.42KB	MOTION to Appear pro hac vice <i>CENTILLION'S MOTION FOR AN ORDER GRANTING PAUL M. HONIGBERG, MELISSA D. PIERRE AND NIRAV N. DESAI LEAVE TO APPEAR PRO HAC VICE</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit Exhibit 1 -- Appearance Pro Hac Vice for Paul M. Honigberg, # <u>2</u> Exhibit Exhibit 2 -- Appearance Pro Hac Vice for Melissa D. Pierre, # <u>3</u> Exhibit Exhibit 3 -- Appearance Pro Hac Vice for Nirav N. Desai, # <u>4</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 02/29/2008)
02/29/2008	<u>412</u>	 23.11KB	RECEIPT #IP 5848 in the amount of \$ 30.00 for phv fee, Honigberg (PG) (Entered: 02/29/2008)
02/29/2008	<u>413</u>	 23.43KB	RECEIPT #IP 5849 in the amount of \$ 30.00 for phv fee, Pierre (PG) (Entered: 02/29/2008)
02/29/2008	<u>414</u>	 23.26KB	RECEIPT #IP 5850 in the amount of \$ 30.00 for phv fee, Desai (PG) (Entered: 02/29/2008)
03/03/2008	<u>415</u>	 118.30KB	ORDER granting <u>411</u> Motion to Appear pro hac vice. Attorney Paul M. Honigberg for CENTILLION DATA SYSTEMS, LLC, Melissa D. Pierre for CENTILLION DATA SYSTEMS, LLC, Nirav N. Desai for CENTILLION DATA SYSTEMS, LLC added. Signed by Magistrate Judge William T. Lawrence on 3/3/08. c/m WTL (TMA) (Entered: 03/04/2008)
03/05/2008	<u>416</u>		MOTION to Enforce May 1, 2007 Entry Regarding Motion to











		 157.24KB	<i>Compel and for Sanctions</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 03/05/2008)
03/05/2008	<u>417</u>	 2.59MB	BRIEF/MEMORANDUM in Support re <u>416</u> MOTION to Enforce May 1, 2007 Entry Regarding Motion to Compel and for Sanctions, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 (5-1-07 Entry Re: Motion to Compel), # <u>2</u> Exhibit 2 (Convergys Resp to Centillion 2d RFP, 1-7-05), # <u>3</u> Exhibit 3 (3-28-06 Ltr from Lane-White to Seal), # <u>4</u> Exhibit 4 (3-29-06 Ltr from Lane-White to Seal), # <u>5</u> Exhibit 5 (5-8-06 Ltr from Seal to Lane-White), # <u>6</u> Exhibit 6 (8-7-06 Ltr from Lane-White to Seal), # <u>7</u> Exhibit 7 (8-11-06 Ltr from Seal to Lane-White), # <u>8</u> Exhibit 8 (Transcript of 5-4-07 "Meet & Confer"), # <u>9</u> Exhibit 9 (Transcript of 5-17-07 "Meet & Confer"), # <u>10</u> Exhibit 10 (6-6-07 Ltr from Desai to Seal), # <u>11</u> Exhibit 11 (6-14-07 Ltr from Desai to Seal), # <u>12</u> Exhibit 12 (6-14-07 Ltr from Seal to Desai), # <u>13</u> Exhibit 13 (6-29-07 Ltr from Desai to Guiliano), # <u>14</u> Exhibit 14 (7-3-07 Ltr from Guiliano to Desai), # <u>15</u> Exhibit 15 (7-6-07 Ltr from Desai to Guiliano), # <u>16</u> Exhibit 16 (7-9-07 Ltr from Guiliano to Desai), # <u>17</u> Exhibit 17 (7-3-07 Ltr from Desai to Guiliano), # <u>18</u> Exhibit 18 (7-10-07 Ltr from Guiliano to Desai), # <u>19</u> Exhibit 19 (7-24-07 Ltr from Desai to Guiliano), # <u>20</u> Exhibit 20 (8-9-07 Ltr from Desai to Guiliano), # <u>21</u> Exhibit 21 (Transcript of 7-24-07 "Meet & Confer"), # <u>22</u> Exhibit 22 (8-23-07 Ltr from Guiliano to Desai), # <u>23</u> Exhibit 23 (9-5-07 Ltr from Guiliano to Lane-White), # <u>24</u> Exhibit 24 (9-20-07 Ltr from Lane-White to Guiliano), # <u>25</u> Exhibit 25 (9-21-07 Ltr from Guiliano to Lane-White), # <u>26</u> Exhibit 26 (Transcript of 12-6-07 "Meet & Confer"))(Fowler, Phillip) (Entered: 03/05/2008)
03/05/2008	<u>418</u>	 83.97KB	Statement (Rule 37.1) in Support of Motion to Enforce May 1, 2007 Entry Regarding Motion to Compel and for Sanctions by CITI GROUP (HOLDINGS) INC., CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 03/05/2008)
03/10/2008	<u>419</u>	 52.64KB	ORDER granting in part and denying in part <u>366</u> Centillion's Motion to Compel Qwest to Produce Discovery Relating to Government Contracts and for Sanctions. (See Entry) Signed by Magistrate Judge William T. Lawrence on 03/10/08. (TMA) (Entered: 03/10/2008)
03/14/2008	<u>420</u>	 16.76KB	NOTICE <i>Notice of Correction</i> , filed by Defendant QWEST (Belusko, Vincent) (Entered: 03/14/2008)
03/17/2008	<u>421</u>	 170.76KB	MOTION to Modify March 10, 2008 Entry in View of Qwest's Notice of Correction, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 03/17/2008)
03/17/2008	<u>422</u>		BRIEF/MEMORANDUM in Support re <u>421</u> MOTION to Modify March 10, 2008 Entry in View of Qwest's Notice of Correction, filed








		 351.32KB	by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 (3-11-08 letter from White to Buxton, et al.))(Fowler, Phillip) (Entered: 03/17/2008)
03/18/2008	<u>423</u>	 74.95KB	RESPONSE to Motion re <u>421</u> MOTION to Modify <i>March 10, 2008 Entry in View of Qwest's Notice of Correction</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 03/18/2008)
03/18/2008	<u>424</u>	 44.63KB	MOTION for Leave to File <i>an Amended Answer to Plaintiff's Second Amended Complaint and an Amended Complaint</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Proposed Order Granting Qwest Entities Motion for Leave to File Amended Pleadings)(Belusko, Vincent) (Entered: 03/18/2008)
03/18/2008	<u>425</u>	 2.93MB	BRIEF/MEMORANDUM in Support re <u>424</u> MOTION for Leave to File <i>an Amended Answer to Plaintiff's Second Amended Complaint and an Amended Complaint</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit AA to Memorandum ISO Motion for Leave to Amend, # <u>2</u> Exhibit BB to Memo ISO Motion for Leave to Amend, # <u>3</u> Exhibit 1 to Proposed Second Amended Complaint, # <u>4</u> Exhibit 2 to Proposed Second Amended Complaint, # <u>5</u> Exhibit 3 to Proposed Second Amended Complaint, # <u>6</u> Exhibit 4 to Second Amended Complaint, # <u>7</u> Exhibit 5 to Second Amended Complaint, # <u>8</u> Affidavit Declaration of E. Dale Buxton ISO Motion for Leave to Amend, # <u>9</u> Exhibit A to Buxton Declaration, # <u>10</u> Exhibit B to Buxton Declaration, # <u>11</u> Exhibit C to Buxton Declaration)(Belusko, Vincent) (Entered: 03/18/2008)
03/20/2008	<u>426</u>	 10.07KB	Submission of [Corrected] Order re Motion for Leave to File <i>Amended Answer and Amended Complaint</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 03/20/2008)
03/24/2008	<u>427</u>	 21.43KB	SCHEDULING ORDER: Status Conference set for 3/31/2008 10:00 AM in room #277 before Magistrate Judge William T. Lawrence. (TMA) (Entered: 03/24/2008)
03/24/2008	<u>428</u>	 337.90KB	RESPONSE in Opposition re <u>416</u> MOTION to Enforce <i>May 1, 2007 Entry Regarding Motion to Compel and for Sanctions</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 - Declaration of James Gallagher, # <u>2</u> Exhibit 2 - Lane-White letter to Seal (February 29, 2008), # <u>3</u> Exhibit 3 - Seal letter to Lane-White (March 19, 2008))(Tragesser, Joel) (Entered: 03/24/2008)









03/27/2008	<u>429</u>	 113.03KB	ORDER granting <u>421</u> Motion to Modify the March 10, 2008 Entry. (See Order - modifying Entry regarding Motion to Compel Qwest to produce discovery relating to Government contracts and for sanctions.) Signed by Magistrate Judge William T. Lawrence on 3/27/08. (TMA) (Entered: 03/27/2008)
03/28/2008	<u>430</u>	 40.99KB	ENTRY - Magistrate Judge approves the jointly proposed amended case management deadlines. (See Entry) Signed by Magistrate Judge William T. Lawrence on 3/28/08. (TMA) (Entered: 03/28/2008)
04/02/2008	<u>431</u>	 138.38KB	Unopposed MOTION to Modify <i>AGREED MOTION TO MODIFY MARCH 28, 2008 ENTRY</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Amended Entry for March 28, 2008)(Fowler, Phillip) (Entered: 04/02/2008)
04/03/2008	<u>432</u>	 0.77MB	AMENDED ENTRY FOR MARCH 28,2008 (See Entry for deadlines). Signed by Magistrate Judge William T. Lawrence on 04/03/2008. (TMA) (Entered: 04/03/2008)
04/07/2008	<u>433</u>	 107.35KB	REPLY in Support of Motion re <u>416</u> MOTION to Enforce May 1, 2007 Entry Regarding Motion to Compel and for Sanctions, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 04/07/2008)
04/07/2008	<u>434</u>	 7.79MB	RESPONSE in Opposition re <u>424</u> MOTION for Leave to File an Amended Answer to Plaintiff's Second Amended Complaint and an Amended Complaint, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 (Qwest News Release dated 8/7/07), # <u>2</u> Exhibit 2 (Compass Intelligence Report dated 7/07), # <u>3</u> Exhibit 4 (Qwest News Release dated 3/29/07), # <u>4</u> Exhibit 5 (Qwest News Release dated 3/31/07), # <u>5</u> Exhibit 6 (Centillion LR 37.1 Statement re Mot to Compel Dscvry of Qwest Gov't Contracts and for Sanctions), # <u>6</u> Exhibit 7 (Corresp. Exchange b/n Centillion and Qwest Counsel re LR 37.1 Statement), # <u>7</u> Exhibit 8 (Qwest FTS2001 Crossover-Contract #GS000T02AHD0004), # <u>8</u> Exhibit 9 (Metropolitan Area Acquisition), # <u>9</u> Exhibit 10 (WITS2001-Contract No. GS00T02AHD0004), # <u>10</u> Exhibit 11 (Qwest Tariff Activity Bulletin Board QCC/Networx/Indiana), # <u>11</u> Exhibit 12 (Excerpt from Qwest 2004 Annual Report), # <u>12</u> Exhibit 12 (Excerpt from Qwest 2005 Annual Report), # <u>13</u> Exhibit 14 (Excerpt from Qwest 2006 Annual Report), # <u>14</u> Exhibit 15 (Qwest Control Networx Portal description), # <u>15</u> Exhibit 16 (3.10 Billing dated 12/13/06), # <u>16</u> Exhibit 17 (3.10 Billing dated 3/5/07), # <u>17</u> Exhibit 18 (7/27/07 Letter from Buxton to Weissman), # <u>18</u> Exhibit 19 (Qwest News Release dated 9/18/03), # <u>19</u> Exhibit 20 (Washington Technology article dated 3/7/05))(Fowler, Phillip) (Entered: 04/07/2008)
04/07/2008	<u>435</u>		SEALED Exhibit 3, re <u>434</u> Response in Opposition to Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 3 (Part 1) (Qwest Control Networx Portal Claim Chart), # <u>2</u> Exhibit 3 (Part 2) (Qwest Control Networx Portal Claim Chart))









			(Fowler, Phillip) (Entered: 04/07/2008)
04/07/2008	<u>436</u>	 147.12KB	MOTION to Seal Document <u>435</u> SEALED Document (<i>Exhibit 3</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 04/07/2008)
04/09/2008	<u>437</u>	 0.83MB	MOTION for Leave to File <i>Surreply to Centillions Motion to Enforce the May 1, 2006 Entry and Motion for Sanctions</i> , filed by Defendant CONVERGYS CORPORATION, Counter Claimant CONVERGYS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion for Leave, # <u>2</u> Exhibit - Convergys' Surreply) (Tragesser, Joel) (Entered: 04/09/2008)
04/09/2008	<u>438</u>	 109.14KB	ORDER granting <u>436</u> Motion to Seal Document <u>435</u> Exhibit. Signed by Judge Larry J. McKinney on 4/9/08. (PG) (Entered: 04/10/2008)
04/09/2008	<u>439</u>	 48.05KB	ORDER granting <u>424</u> Motion for Leave to File an Amended Answer. Signed by Judge Larry J. McKinney on 4/9/08. (PG) (Entered: 04/10/2008)
04/11/2008	<u>440</u>	 44.40KB	<i>First Amended</i> ANSWER to <u>93</u> Amended Complaint and <i>Jury Demand</i> , filed by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION.(Riley, James) (Entered: 04/11/2008)
04/11/2008	<u>441</u>	 2.94MB	AMENDED COMPLAINT (<i>2nd</i>) against CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., filed by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1-5)(Riley, James) (Entered: 04/11/2008)
04/11/2008	<u>442</u>	 9.88KB	SCHEDULING ORDER: Status Conference set for 4/16/2008 10:00 AM in room #277 before Magistrate Judge William T. Lawrence. The parties are directed to submit a joint agenda to the Magistrate Judge. Please fax to (317) 229-3619 by 10:00 a.m. April 15, 2008. (TMA) (Entered: 04/14/2008)
04/14/2008	<u>443</u>	 243.26KB	MOTION to Appear pro hac vice <i>CENTILLION'S MOTION FOR AN ORDER GRANTING KENNETH L. BRESSLER LEAVE TO APPEAR PRO HAC VICE</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit Appearance Pro Hac Vice of Kenneth L. Bressler, # <u>2</u> Text of Proposed Order Order Granting Kenneth L. Bressler Leave to Appear Pro Hac Vice)(Fowler, Phillip) (Entered: 04/14/2008)
04/15/2008	<u>444</u>	 18.59KB	RECEIPT #IP 6560 in the amount of \$ 30.00 for phv fee, Bressler (PG) (Entered: 04/15/2008)
04/16/2008	<u>445</u>	 104.74KB	ORDER granting <u>443</u> Motion to Appear pro hac vice. Attorney Kenneth L. Bressler for CENTILLION DATA SYSTEMS, LLC and CTI Group (Holdings), Inc. added. Signed by Magistrate Judge


			William T. Lawrence on 4/16/08. c/m WTL (TMA) (Entered: 04/17/2008)
04/16/2008	<u>446</u>	 75.84KB	NOTICE of Appearance by Kenneth L. Bressler on behalf of Consol Defendant CTI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (TMA) (Entered: 04/17/2008)
04/16/2008	<u>447</u>	 200.61KB	ORDER granting <u>437</u> Motion for Leave to File Surreply. Signed by Judge Larry J. McKinney on 4/16/08. (PG) (Entered: 04/17/2008)
04/16/2008	<u>448</u>	 0.50MB	Surreply re <u>416</u> MOTION to Enforce May 1, 2007 Entry Regarding Motion to Compel and for Sanctions, filed by Defendant CONVERGYS CORPORATION. (PG) (Entered: 04/17/2008)
04/28/2008	<u>449</u>	 143.79KB	Consolidated Defendants' ANSWER to <u>441</u> Amended Complaint, COUNTERCLAIM against QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, filed by CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC..(Fowler, Phillip) (Entered: 04/28/2008)
05/01/2008	<u>450</u>	 167.77KB	MOTION to Withdraw as Attorney CENTILLION'S MOTION FOR LEAVE TO WITHDRAW PRO HAC VICE APPEARANCES, filed by Counter Claimant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/01/2008)
05/02/2008	<u>451</u>	 109.26KB	ORDER granting <u>450</u> Motion to Withdraw as Attorney. Attorney Leonard D. Steinman; Peter S. Weissman; Michael C. Greenbaum and Melissa D. Pierre withdrawn. Signed by Judge Larry J. McKinney on 5/2/08. (PG) (Entered: 05/02/2008)
05/12/2008	<u>452</u>	 137.62KB	Unopposed MOTION to Modify AGREED MOTION TO MODIFY CASE MANAGEMENT DEADLINES, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/12/2008)
05/13/2008	<u>453</u>	 7.40KB	SCHEDULING ORDER: Telephonic Status Conference set for 6/5/2008 03:00 PM before Magistrate Judge William T. Lawrence. (See Entry for agenda)(TMA) (Entered: 05/13/2008)
05/22/2008	<u>454</u>	 94.92KB	Qwest Corporation's and Qwest Communications International Inc.'s Answer to Counterclaim of Consolidated Defendants for Patent Infringement ANSWER to <u>449</u> Answer to Amended ComplaintCounterclaim, filed by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION.(Belusko, Vincent) (Entered: 05/22/2008)
05/27/2008	<u>455</u>	 243.41KB	MOTION to Appear pro hac vice CENTILLION'S MOTION FOR AN ORDER GRANTING LEASA M. WOODS LEAVE TO APPEAR PRO HAC VICE, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit Appearance Pro Hac Vice of Leasa M. Woods, # <u>2</u> Text of Proposed Order Order Granting Leasa M. Woods






			Leave to Appear Pro Hac Vice)(Fowler, Phillip) (Entered: 05/27/2008)
05/27/2008	<u>456</u>	 19.30KB	RECEIPT #IP007271 in the amount of \$ 30.00 for Pro Hac Fee - Woods (MAC) (Entered: 05/27/2008)
05/28/2008	<u>457</u>	 105.87KB	ORDER granting <u>455</u> Motion to Appear pro hac vice. Attorney Leasa M. Woods for CENTILLION DATA SYSTEMS, LLC, and CITI GROUP (HOLDINGS) INC., added. Signed by Magistrate Judge William T. Lawrence on 5/28/08. c/m WTL (TMA) (Entered: 05/28/2008)
05/28/2008	<u>458</u>	 75.99KB	NOTICE of Appearance by Leasa M. Woods on behalf of CENTILLION DATA SYSTEMS, LLC, and CITI GROUP (HOLDINGS) INC. (TMA) (Entered: 05/28/2008)
05/30/2008	<u>459</u>	 88.93KB	ORDER granting <u>452</u> Motion to Modify Case Management Deadlines. (See Order.) Signed by Magistrate Judge William T. Lawrence on 5/30/08. (TMA) (Entered: 05/30/2008)
06/04/2008	<u>460</u>	 126.31KB	Joint MOTION for Continuance <i>AGREED MOTION TO CONTINUE STATUS CONFERENCE</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order ORDER GRANTING AGREED MOTION TO CONTINUE STATUS CONFERENCE)(Fowler, Phillip) (Entered: 06/04/2008)
06/04/2008	<u>461</u>	 100.78KB	ORDER granting <u>460</u> Motion for Continuance of the 6/5/08 Status Conference. The Status Conference will be rescheduled for a later date. Signed by Magistrate Judge William T. Lawrence on 6/4/08. (TMA) (Entered: 06/04/2008)
06/24/2008	<u>462</u>	 137.87KB	Joint MOTION to Modify <i>AGREED MOTION TO MODIFY CASE MANAGEMENT DEADLINES AND TO RESCHEULE TRIAL</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 06/24/2008)
06/25/2008	<u>463</u>	 88.55KB	ORDER granting <u>462</u> Motion to Modify Case Management Deadlines. (See Order for deadlines.) Signed by Magistrate Judge William T. Lawrence on 6/25/08. (TMA) (Entered: 06/25/2008)
06/26/2008	<u>464</u>	 62.82KB	SCHEDULING ORDER: The 2/13/09 Final Pretrial Conference is VACATED and RE-SET for 4/17/09 at 2:00 PM in room #204 before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 06/26/08. (GJQ) (Entered: 06/26/2008)
07/09/2008	<u>465</u>	 4.43KB	Reassignment of Case to Judge Jane Magnus-Stinson. Judge William T. Lawrence no longer assigned to the case. Please include the new case number (1:04-cv-73-LJM-JMS), which includes the initials of the newly assigned judge, on all future filings in this matter. (CBU) (Entered: 07/09/2008)
07/15/2008	<u>466</u>		SCHEDULING ORDER: This matter is set for a settlement conference between Centillion Data Systems, LLC and Convergys Corporation on Thursday, August 7, 2008 at 10:00 a.m. EDT in






		 11.87KB	Room 277 before Judge William T. Lawrence. Counsel and client representatives from Qwest Corporation need not attend. (TMA) (Entered: 07/15/2008)
07/18/2008	<u>467</u>	 139.83KB	MOTION <i>CENTILLION DATA SYSTEMS, LLC'S MOTION ON CONSENT FOR AN ORDER AUTHORIZING IT TO PRODUCE THIRD-PARTY LICENSE AGREEMENTS IN DISCOVERY</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Authorizing Centillion Data Systems, LLC, To Produce Third-Party License Agreements In Discovery) (Fowler, Phillip) (Entered: 07/18/2008)
07/18/2008	<u>468</u>	 259.73KB	BRIEF/MEMORANDUM in Support re <u>467</u> MOTION <i>CENTILLION DATA SYSTEMS, LLC'S MOTION ON CONSENT FOR AN ORDER AUTHORIZING IT TO PRODUCE THIRD-PARTY LICENSE AGREEMENTS IN DISCOVERY</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A, # <u>2</u> Exhibit B, # <u>3</u> Exhibit C)(Fowler, Phillip) (Entered: 07/18/2008)
07/21/2008	<u>469</u>	 105.13KB	ORDER granting pltf's <u>467</u> Motion for an Order authorizing it to produce third-party license agreements in discovery (See Order). Signed by Judge Jane Magnus-Stinson on 7/21/08. (SWM) (Entered: 07/21/2008)
07/30/2008	<u>470</u>	 133.23KB	MOTION to Compel <i>Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) . (Entered: 07/30/2008)
07/30/2008	<u>471</u>	 236.18KB	*** SEALED PER ORDER DATED 7/31/08 *** SEALED <i>PLAINTIFF'S BRIEF IN SUPPORT OF ITS MOTION TO COMPEL DISCOVERY</i> , re <u>470</u> Motion to Compel, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 2 (Filed Under Seal), # (2) Exhibit 3 (Filed Under Seal), # (3) Exhibit 8 (Filed Under Seal), # (4) Exhibit 8A (Filed Under Seal), # (5) Exhibit 9 (Filed Under Seal), # (6) Exhibit 9A (Filed Under Seal), # (7) Exhibit 10 (Filed Under Seal), # (8) Exhibit 10A (Filed Under Seal), # (9) Exhibit 11 (Filed Under Seal), # (10) Exhibit 11A (Filed Under Seal), # (11) Exhibit 16 (Filed Under Seal), # (12) Exhibit 19 (Filed Under Seal), # (13) Exhibit 20 (Filed Under Seal), # (14) Exhibit 22 (Filed Under Seal), # (15) Exhibit 24 (Filed Under Seal), # (16) Exhibit 25 (Filed Under Seal), # (17) Exhibit 26 (Filed Under Seal), # (18) Exhibit 27 (Filed Under Seal))(Fowler, Phillip) Modified on 8/1/2008 (SWM). Modified on 10/1/2008 (MAC). (Additional attachment(s) added on 10/1/2008: # <u>18</u> SUBSTITUTED Brief, # <u>19</u> SUBSTITUTED Exhibit 27) (MAC). (Entered: 07/30/2008)
07/30/2008	<u>472</u>		MOTION to Seal Document <u>471</u> SEALED Document <i>PLAINTIFF CENTILLION DATA SYSTEMS, LLC'S MOTION TO FILE UNDER SEAL ITS BRIEF AND CERTAIN EXHIBITS IN SUPPORT OF ITS</i>









		155.17KB	MOTION TO COMPEL DISCOVERY FROM QWEST, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 07/30/2008)
07/30/2008	<u>473</u>	 6.19MB	EXHIBIT in Support of Motion re <u>470</u> MOTION to Compel Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1, # <u>2</u> Exhibit 4, # <u>3</u> Exhibit 5, # <u>4</u> Exhibit 6, # <u>5</u> Exhibit 7, # <u>6</u> Exhibit 12, # <u>7</u> Exhibit 13, # <u>8</u> Exhibit 14, # <u>9</u> Exhibit 15, # <u>10</u> Exhibit 17, # <u>11</u> Exhibit 18, # <u>12</u> Exhibit 21, # <u>13</u> Exhibit 23)(Fowler, Phillip) (Entered: 07/30/2008)
07/30/2008	<u>474</u>	 75.66KB	Statement PLAINTIFF CENTILLION DATA SYSTEMS, LLC'S RULE 37.1 STATEMENT FOR ITS MOTION TO COMPEL DISCOVERY by CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 07/30/2008)
07/31/2008	<u>475</u>	 93.65KB	ORDER granting plt's <u>472</u> Motion to Seal Document <u>471</u> and certain attached exhibits (See Order). Signed by Judge Jane Magnus-Stinson on 7/31/08. (SWM) (Entered: 08/01/2008)
08/11/2008	<u>476</u>	 21.42KB	Minute Entry for proceedings held before Judge William T. Lawrence: Parties for Centillion Data Systems, LLC. and Convergys Corporation appear by counsel for settlement conference on Thursday, August 7, 2008. Conference held and successfully concluded. The Court has been advised by counsel that a settlement has been reached between Plaintiff Centillion Data Systems, LLC and Defendant Convergys Corporation in this action. IT IS ORDERED that within thirty (30) days of this date, counsel for the plaintiff shall file a motion to dismiss this cause or a stipulation of dismissal. Signed by Judge William T. Lawrence on 8/11/08. (TMA) (Entered: 08/11/2008)
08/11/2008	<u>477</u>	 88.09KB	MARGINAL ENTRY denying as moot due to report of settlement <u>416</u> Plt's Motion to enforce 5/1/07 Entry regarding motion to compel and for sanctions. See Dkt. 476. Signed by Judge Jane Magnus-Stinson on 8/11/08. (SWM) (Entered: 08/12/2008)
08/11/2008	<u>478</u>	 15.45KB	MARGINAL ENTRY denying as moot due to report of settlement <u>378</u> Plt's Motion for Protective Order. See Dkt. 476. Signed by Judge Jane Magnus-Stinson on 8/11/08. (SWM) (Entered: 08/12/2008)
08/14/2008	<u>479</u>	 144.92KB	Unopposed MOTION to Modify CASE MANAGEMENT DEADLINES, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 08/14/2008)
08/15/2008	<u>480</u>	 129.36KB	MOTION for Extension of Time to August 27, 2008 to file response to <u>470</u> MOTION to Compel Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest, MOTION for Leave to File Excess Pages, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS







			CORPORATION, Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 08/15/2008)
08/18/2008	<u>481</u>	 56.08KB	Submission, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST. (Riley, James) (Entered: 08/18/2008)
08/18/2008	<u>482</u>	 94.18KB	ORDER granting Qwest defts' <u>480</u> Motion for Extension of Time to File Response re <u>470</u> MOTION to Compel <i>Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest</i> . Response due by 8/27/2008. ORDER denying Qwest defts' <u>480</u> Motion for Leave to File Oversized 40 page consolidated brief. Centillion is ordered to file a combined reply/response brief, also limited to 35 pages (See Order). Signed by Judge Jane Magnus-Stinson on 8/18/08. (SWM) (Entered: 08/18/2008)
08/22/2008	<u>483</u>	 143.50KB	MOTION to Appear pro hac vice, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 08/22/2008)
08/22/2008	<u>484</u>	 155.88KB	MOTION to Appear pro hac vice, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 08/22/2008)
08/22/2008	<u>485</u>	 32.94KB	ENTRY for 8/22/08 Telephone Conference: The parties appeared by counsel before the magistrate judge this date, at which the following was discussed and determined. The parties recently filed a joint Motion to Modify case management deadlines <u>479</u> . Case management deadlines are amended as follows: Dispositive motions due by 3/27/2009 (See Entry for other established deadlines). The magistrate judge recommends vacating the current trial setting, and setting the final ptc on 9/11/09 at 10:00 a.m. and the jury trial on 9/28/09. Signed by Judge Jane Magnus-Stinson on 8/22/08. (SWM) (Entered: 08/25/2008)
08/25/2008	<u>486</u>	 23.05KB	RECEIPT #IP 8569 in the amount of \$ 60.00. Pro Hac Vice fees for J. Manena Bishop and Adam J. Lavier. (TRG) (Entered: 08/25/2008)
08/26/2008	<u>487</u>	 63.99KB	SCHEDULING ORDER: The 4/17/09 Final Pretrial Conference is VACATED and RE-SET for 9/11/09 at 10:00 AM in room #204 and the 5/4/09 Jury Trial is VACATED and RE-SET for 9/28/09 at 9:30 AM in courtroom #202, both before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 08/26/08. (GJQ) (Entered: 08/26/2008)
08/26/2008	<u>488</u>		ORDER granting <u>483</u> Motion to Appear pro hac vice. Attorney J. Manena Bishop for QWEST CORPORATION and QWEST




		100.35KB	COMMUNICATIONS CORPORATION added. Signed by Judge Jane Magnus-Stinson on 8/26/08. (SWM) (Entered: 08/27/2008)
08/26/2008	<u>489</u>	 100.55KB	ORDER granting <u>484</u> Motion to Appear pro hac vice. Attorney Adam J. LaVier for QWEST CORPORATION and QWEST COMMUNICATIONS CORPORATION added. Signed by Judge Jane Magnus-Stinson on 8/26/08. (SWM) (Entered: 08/27/2008)
08/27/2008	<u>490</u>		SEALED <i>Qwest Corporation's, Qwest Communication Corporation's and Qwest Communications International Inc.'s Brief in Support of Their 470 Motion to Compel Discovery and in Opposition to Centillion Data Systems, LLC's Motion to Compel</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 8/28/2008 (TRG). (Entered: 08/27/2008)
08/27/2008	<u>491</u>		SEALED <i>Declaration of Venkat Ashok In Support of Qwest Entities' Brief In Support of Their Motion to Compel Discovery and in Opposition to Centillion Data Systems, LLC's Motion to Compel</i> , re <u>490</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 08/27/2008)
08/27/2008	<u>492</u>		SEALED <i>Declaration of Jeffrey Winkler In Support of Qwest Entities' Brief in Support of Their Motion to Compel Discovery and in Opposition to Centillion Data Systems, LLC's Motion to Compel</i> , re <u>490</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 08/27/2008)
08/27/2008	<u>493</u>		SEALED <i>Declaration of Thomas Moynihan in Support of Qwest Entities' Brief in Support of Their Motion to Compel Discovery and in Opposition to Centillion Data Systems, LLC's Motion to Compel</i> , re <u>490</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 08/27/2008)
08/27/2008	<u>494</u>		SEALED <i>Declaration of Dale Buxton In Support of Qwest Entities' Opposition to Centillion Data Systems, LLC's Motion to Compel Discovery</i> , re <u>490</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit B, # <u>2</u> Exhibit C, # <u>3</u> Exhibit D, # <u>4</u> Exhibit E, # <u>5</u> Exhibit F, # <u>6</u> Exhibit G, # <u>7</u> Exhibit H, # <u>8</u> Exhibit I, # <u>9</u> Exhibit J, # <u>10</u> Exhibit K, # <u>11</u> Exhibit L, # <u>12</u> Exhibit M, # <u>13</u> Exhibit N, # <u>14</u> Exhibit Q, # <u>15</u> Exhibit R, # <u>16</u> Exhibit S, # <u>17</u> Exhibit U, # <u>18</u> Exhibit Y, # <u>19</u> Exhibit Z, # <u>20</u> Exhibit AA, # <u>21</u> Exhibit AB, # <u>22</u> Exhibit AC, # <u>23</u> Exhibit AD, # <u>24</u> Exhibit AE, # <u>25</u> Exhibit AF, # <u>26</u> Exhibit AH, # <u>27</u> Exhibit AI, # <u>28</u> Exhibit AJ, # <u>29</u> Exhibit AK, # <u>30</u> Exhibit AM, #







			<u>31</u> Exhibit AN)(Belusko, Vincent) (Entered: 08/27/2008)
08/27/2008	<u>495</u>	 4.92MB	EXHIBIT in Support of Response in Opposition to Motion re <u>470</u> MOTION to Compel Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest Exhibits A, O, P, T, W, X, and AG to Declaration of Dale Buxton in Support of Qwest Entities' Opposition to Centillion Data Systems, LLC's Motion to Compel Discovery, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A, # <u>2</u> Exhibit O, # <u>3</u> Exhibit P, # <u>4</u> Exhibit T, # <u>5</u> Exhibit V, # <u>6</u> Exhibit W, # <u>7</u> Exhibit X, # <u>8</u> Exhibit AG)(Belusko, Vincent) (Entered: 08/27/2008)
08/28/2008	<u>496</u>	 42.38KB	MOTION to Seal Document <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document Qwest Entities' Motion to File Under Seal Its Brief and Certain Exhibits in Support of Its Motion to Compel Discovery and in Opposition to Centillion Data Systems, LLC's Motion to Compel, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 08/28/2008)
08/28/2008	<u>497</u>	 16.75KB	Statement Qwest Entities' Local Rule 37.1 Statement for Its Motion to Compel Discovery by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 08/28/2008)
08/28/2008	<u>498</u>		SEALED SUBMISSION OF SIGNATURE REQUIRMENT for Document #494 - Declaration of Dale Buxton in Support of Opposition to Motion to Compel, re <u>494</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 08/28/2008)
08/28/2008	<u>499</u>		SEALED Notice of Errata re Exhibit AL to Sealed Declaration of Dale Buxton in Support of Qwest's Opposition to Centillion's Motion to Compel Discovery, re <u>496</u> Motion to Seal a Document, <u>494</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit AL)(Belusko, Vincent) (Entered: 08/28/2008)
08/29/2008	<u>500</u>	 39.38KB	ORDER granting <u>496</u> Motion to Seal Document <u>499</u> SEALED Document, <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document. Signed by Judge Larry J. McKinney on 08/29/2008. (TRG) (Entered: 08/29/2008)
09/10/2008	<u>501</u>	 130.06KB	MOTION for Extension of Time to 9/19/08 to Submit Motion to Dismiss, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Campbell, David)



			(Entered: 09/10/2008)
09/11/2008	<u>502</u>	 88.24KB	ORDER granting <u>501</u> Motion for Extension of Time to File to 09/19/2008. The date Centillion and Convergys shall complete execution of the settlement document and file a Motion to Dismiss is extended to 9/19/2008. Signed by Judge Larry J. McKinney on 09/11/2008. (TRG) (Entered: 09/12/2008)
09/12/2008	<u>503</u>	 140.69KB	Unopposed MOTION for Extension of Time to September 22, 2008 to file reply to <u>470</u> MOTION to Compel <i>Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/12/2008)
09/15/2008	<u>504</u>	 151.09KB	ORDER granting pltf's <u>503</u> Motion for Extension of Time to File Reply re <u>470</u> MOTION to Compel and Response to defts' Motion to Compel to 9/22/08. Signed by Judge Jane Magnus-Stinson on 9/15/08. (SWM) (Entered: 09/15/2008)
09/18/2008	<u>505</u>	 130.29KB	MOTION for Extension of Time to September 26, 2008 to <i>Submit Motion to Dismiss</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Campbell, David) (Entered: 09/18/2008)
09/19/2008	<u>506</u>	 114.90KB	ORDER granting <u>505</u> Motion for Extension of Time to File a Motion to Dismiss. The date on which Centillion and Convergys shall complete execution of the settlement document and file a Motion to Dismiss is extended to September 26, 2008. Signed by Judge Larry J. McKinney on 09/19/2008. (TRG) (Entered: 09/22/2008)
09/22/2008	<u>507</u>		*** SEALED PER <u>510</u> ORDER OF 9/24/08 *** SEALED REPLY in support of Motion re <u>496</u> MOTION to Seal Document <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document <i>Qwest Entities' Motion to File Under Seal Its Brief and Certain Exhibits in Support of Its Motion to Comp</i> MOTION to Seal Document <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document <i>Qwest Entities' Motion to File Under Seal Its Brief and Certain Exhibits in Support of Its Motion to Comp</i> MOTION to Seal Document <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document <i>Qwest Entities' Motion to File Under Seal Its Brief and Certain Exhibits in Support of Its Motion to Comp</i> , <u>470</u> MOTION to Compel Plaintiff Centillion Data Systems, LLC's Motion to Compel Discovery From Qwest PLAINTIFF'S CONSOLIDATED REPLY BRIEF IN SUPPORT OF ITS MOTION TO COMPEL AND IN OPPOSITION TO DEFENDANTS' BRIEF, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 28, # (2) Exhibit 29, # (3) Exhibit 30, # (4) Exhibit 31, # (5) Exhibit 32, # (6) Exhibit 33, # (7) Exhibit 34, # (8) Exhibit 35, # (9) Exhibit 36, # (10) Exhibit 37, # (11) Exhibit 38, # (12) Exhibit 39, # (13) Exhibit 40, # (14) Exhibit







			41, # (15) Exhibit 42, # (16) Exhibit 43, # (17) Exhibit 44, # (18) Exhibit 45, # (19) Exhibit 46, # (20) Exhibit 47, # (21) Exhibit 48, # (22) Exhibit 49, # (23) Exhibit 50, # (24) Exhibit 51, # (25) Exhibit 52, # (26) Exhibit 53)(Fowler, Phillip) Modified on 9/24/2008 (TMA). (Entered: 09/22/2008)
09/22/2008	<u>508</u>	 155.06KB	MOTION to Seal Document <u>507</u> SEALED Reply in support of Motion <i>PLAINTIFF'S MOTION TO FILE UNDER SEAL ITS CONSOLIDATED REPLY AND EXHIBITS IN SUPPORT OF ITS MOTION TO COMPEL AND IN OPPOSITION TO DEFENDANTS' BRIEF</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/22/2008)
09/24/2008	<u>509</u>	 142.38KB	MOTION to Withdraw as Attorney <i>CENTILLION'S MOTION FOR LEAVE TO WITHDRAW CERTAIN APPEARANCES OF COUNSEL</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/24/2008)
09/24/2008	<u>510</u>	 92.65KB	ORDER granting <u>508</u> Motion to Seal Document <u>507</u> consolidated reply brief and exhibits 28-53 offered in support of its Motion to Compel Discovery from Qwest and in opposition to Qwest's brief. Signed by Judge Jane Magnus-Stinson on 9/24/08. (TMA) (Entered: 09/24/2008)
09/25/2008	<u>511</u>	 242.18KB	MOTION to Appear pro hac vice <i>CENTILLION'S MOTION FOR AN ORDER GRANTING ALAN M. FREEMAN LEAVE TO APPEAR PRO HAC VICE</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- Appearance Pro Hac Vice For Alan M. Freeman, # <u>2</u> Text of Proposed Order Order Granting Alan M. Freeman Leave To Appear Pro Hac Vice)(Fowler, Phillip) (Entered: 09/25/2008)
09/25/2008	<u>514</u>	 22.52KB	RECEIPT #IP 9005 in the amount of \$ 30.00 for pro hac vice filing fee. (TRG) (Entered: 09/29/2008)
09/26/2008	<u>512</u>	 65.74KB	Submission (<i>CORRECTED</i>) <i>ORDER REGARDING MOTION TO WITHDRAW CERTAIN APPEARANCES OF COUNSEL</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 09/26/2008)
09/26/2008	<u>513</u>	 130.74KB	STIPULATION of Dismissal <i>JOINT STIPULATION OF DISMISSAL WITH PREJUDICE</i> , filed by Defendant CONVERGYS CORPORATION, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Approving Joint Stipulation of Dismissal With Prejudice)(Fowler, Phillip) (Entered: 09/26/2008)
09/29/2008	<u>515</u>		ORDER granting <u>509</u> Motion to Withdraw as Attorney. Attorney Matthew J. Siembieda; Victor M. Wigman; Paul M. Honigberg and


		97.69KB	Grant S. Palmer withdrawn. Signed by Judge Larry J. McKinney on 9/29/2008. (TRG) (Entered: 09/29/2008)
09/29/2008	<u>516</u>	 88.64KB	Order approving Parties' Joint Stipulation of Dismissal filed by Centillion Data Systems and Convergys Corporation. Each party to bear its own costs and fees. Signed by Judge Larry J. McKinney on 9/29/2008.(TRG) Entry corrected on 9/29/2008 (TRG). (Entered: 09/29/2008)
09/29/2008	<u>517</u>	 147.60KB	MOTION (<i>AGREED</i>) TO SUBSTUTITE PLAINTIFF'S BRIEF AND EXHIBIT 27 SUPPORTING MOTION TO COMPEL DISCOVERY, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Granting Agreed Motion To Substitute Plaintiff's Brief And Exhibit Supporting Motion To Compel)(Fowler, Phillip) (Entered: 09/29/2008)
09/29/2008	<u>518</u>		**SEALED PER ORDER <u>523</u> **SEALED (<i>FILED UNDER SEAL</i>) EXHIBIT A TO AGREED MOTION TO SUBSTITUTE PLAINTIFF'S BRIEF AND EXHIBIT 27 SUPPORTING MOTION TO COMPEL DISCOVERY , re <u>517</u> Motion (Other), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 9/30/2008 (TRG). Modified on 10/1/2008 (MAC). (Entered: 09/29/2008)
09/29/2008	<u>519</u>		**SEALED PER ORDER <u>523</u> **SEALED (<i>FILED UNDER SEAL</i>) EXHIBIT B TO AGREED MOTION TO SUBSTITUTE PLAINTIFF'S BRIEF AND EXHIBIT 27 SUPPORTING MOTION TO COMPEL DISCOVERY , re <u>517</u> Motion (Other), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 10/1/2008 (MAC). (Entered: 09/29/2008)
09/29/2008	<u>520</u>	 148.21KB	MOTION to Seal Document <u>519</u> SEALED Document, <u>518</u> SEALED Document <i>PLAINTIFF'S MOTION TO FILE UNDER SEAL ITS SUBSTITUTE BRIEF AND EXHIBIT 27 IN SUPPORT OF ITS MOTION TO COMPEL</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Granting Plaintiff's Motion To File Under Seal Its Substituted Brief And Exhibit 27 In Support Of Motion To Compel)(Fowler, Phillip) (Entered: 09/29/2008)
09/30/2008	<u>521</u>	 103.66KB	ORDER granting <u>511</u> Motion to Appear pro hac vice. Attorney Alan M. Freeman for CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.,. Signed by Judge Jane Magnus-Stinson on 9/30/08. (MAC) (Entered: 09/30/2008)
09/30/2008	<u>522</u>	 93.92KB	ORDER granting Agreed <u>517</u> Motion to Substitute plaintiff's Brief and Exhibit supporting Motion to Compel (S.O.). Signed by Judge Jane Magnus-Stinson on 9/30/08. (MAC) (Entered: 10/01/2008)
09/30/2008	<u>523</u>	 95.11KB	ORDER granting <u>520</u> Motion to Seal Document <u>519</u> SEALED Document, <u>518</u> SEALED Document. Signed by Judge Jane Magnus-Stinson on 9/30/08. (MAC) (Entered: 10/01/2008)



10/06/2008	<u>524</u>		*** SEALED PER ORDER DATED 10/7/08 *** SEALED REPLY in support of Motion re <u>496</u> MOTION to Seal Document <u>493</u> SEALED Document, <u>492</u> SEALED Document, <u>490</u> SEALED Document, <u>494</u> SEALED Document, <u>491</u> SEALED Document <i>Qwest Entities' Motion to File Under Seal Its Brief and Certain Exhibits in Support of Its Motion to Comp Qwest Entities' Reply Brief In Support of Their Motion to Compel Discovery, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Proposed Order Granting Motion to Compel)</i> (Belusko, Vincent) Modified on 10/8/2008 (SWM). (Entered: 10/06/2008)
10/06/2008	<u>525</u>	 24.27KB	DECLARATION of E. Dale Buxton II <i>in Support of Qwest Entities Motion to Compel Discovery</i> re <u>524</u> SEALED Reply in support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/06/2008)
10/06/2008	<u>526</u>		SEALED <i>Exhibits to Declaration of E. Dale Buxton II In Support of Motion to Compel Discovery</i> , re <u>525</u> Declaration, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 - Dec. 4, 1996 Letter from W. Miller to David Sayre, # <u>2</u> Exhibit 2 - Dec. 4, 1996 Letter from J. Cauffman to T. Wynn, # <u>3</u> Exhibit 3 - Aug. 27, 2008 Letter from D. Buxton to M. White, # <u>4</u> Exhibit 4 - Sept. 18, 2008 Letter from D. Buxton to M. White, # <u>5</u> Exhibit 5 - QCC's 11th Suppl. Responses to Centillion's First Set of Interrogatories, # <u>6</u> Exhibit 6 - QC's 12th Suppl. Responses to Centillion's First Set of Interrogatories, # <u>7</u> Exhibit 7 - Settlement Agreement Between Centillion Data Systems and Convergys Corp.) (Belusko, Vincent) (Entered: 10/06/2008)
10/06/2008	<u>527</u>	 29.64KB	MOTION to Seal Document <u>524</u> SEALED Reply in support of Motion, <u>526</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Order Granting Qwest Entities Motion to Seal Reply Brief and Exhibits in Support of Motion to Compel Discovery) (Belusko, Vincent) (Entered: 10/06/2008)
10/07/2008	<u>528</u>	 29.77KB	ORDER granting Qwest's <u>527</u> Motion to Seal Document No. <u>524</u> . Signed by Judge Jane Magnus-Stinson on 10/7/08. (SWM) Modified on 10/8/2008 (SWM). (Entered: 10/08/2008)
10/17/2008	<u>529</u>		*** SEALED PER ORDER DATED 10/20/08 *** SEALED <i>PLAINTIFF'S MOTION FOR PROTECTIVE ORDER REGARDING DEPOSITION OF MATTHEW GRAVES</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- Letter from Dale Buxton to counsel dated September 30, 2008, # <u>2</u> Exhibit 2 -- Subpoena and Notice of Deposition regarding Michael Graves, # <u>3</u> Exhibit 3 -- E-Mail from Denise Lane to Hector Gallegos





			dated 10/17/08 at 1:45 a.m., # <u>4</u> Exhibit 4 -- E-Mail from Denise White to Hector Gallegos dated October 17, 2008 at 11:14 a.m., # <u>5</u> Exhibit 5 -- Subcontract Agreement signed by Michael Graves, # <u>6</u> Exhibit 6 -- License Agreement with Verizon, # <u>7</u> Text of Proposed Order Granting Plaintiff's Motion for Protective Order Regarding Deposition of Matthew Graves)(Fowler, Phillip) Modified on 10/17/2008 (TRG). Modified on 10/20/2008 (SWM). (Entered: 10/17/2008)
10/17/2008	<u>530</u>	 143.80KB	MOTION to Seal Document <u>529</u> SEALED Document <i>Plaintiff's Motion to File Under Seal Its Motion for Protective Order Regarding Deposition of Michael Graves and Exhibits</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order ORDER GRANTING PLAINTIFF'S MOTION TO FILE UNDER SEAL ITS MOTION FOR PROTECTIVE ORDER REGARDING DEPOSITION OF MICHAEL GRAVES AND EXHIBITS)(Fowler, Phillip) (Entered: 10/17/2008)
10/17/2008	<u>531</u>	 143.48KB	MOTION for Emergency Hearing re <u>529</u> SEALED Document <i>PLAINTIFF'S MOTION FOR EMERGENCY HEARING ON PLAINTIFF'S MOTION FOR PROTECTIVE ORDER REGARDING DEPOSITION OF MATTHEW GRAVES</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order ORDER GRANTING PLAINTIFF'S MOTION FOR EMERGENCY HEARING ON PLAINTIFF'S MOTION FOR PROTECTIVE ORDER REGARDING DEPOSITION OF MATTHEW GRAVES)(Fowler, Phillip) (Entered: 10/17/2008)
10/17/2008	<u>532</u>	 29.86KB	ENTRY granting <u>531</u> Motion for Emergency Hearing. SCHEDULING ORDER: Hearing regarding Motion for Protective Order set for 10/17/2008 04:45 PM in Telephonic before Judge Jane Magnus-Stinson. The parties are instructed to call the Court at the number provided. Only one counsel for each side who is completely familiar with the issues involved in this motion shall call. Signed by Judge Jane Magnus-Stinson on 10/17/08. (SWM) (Entered: 10/17/2008)
10/20/2008	<u>533</u>	 29.81KB	ORDER granting pltf's <u>529</u> Sealed Motion for Protective Order. Signed by Judge Jane Magnus-Stinson on 10/20/08. (SWM) (Entered: 10/20/2008)
10/20/2008	<u>534</u>	 125.71KB	ORDER granting pltf's <u>530</u> Motion to Seal Document Number <u>529</u> . Pltf is ordered to file redacted versions of said motion for the public record by 10/22/08. Signed by Judge Jane Magnus-Stinson on 10/20/08. (SWM) (Entered: 10/20/2008)
10/21/2008	<u>535</u>	 0.78MB	MOTION for Protective Order <i>PLAINTIFF'S MOTION FOR PROTECTIVE ORDER REGARDING DEPOSITON OF MICHAEL GRAVES (PUBLIC VERSION)</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- 9-30-08 letter from Dale Buxton to Counsel with attachments, # <u>2</u> Exhibit 2 -- Subpoena and Notice of Deposition re: Michael Graves, # <u>3</u> Exhibit 3


			-- E-Mail from Denise Lane to Hector Gallegos dated October 17, 2008, # 4 Exhibit 4 -- E-Mail from Denise Lane to Hector Gallegos dated 10-17-08 at 11:14 a.m.)(Fowler, Phillip) (Entered: 10/21/2008)
10/23/2008	<u>536</u>	 49.22KB	ENTRY granting in part and denying in part Centillion's <u>470</u> Motion to Compel. ENTRY granting Qwest depts' <u>490</u> Cross-Motion to Compel (See Entry). Signed by Judge Jane Magnus-Stinson on 10/23/08. (SWM) (Entered: 10/23/2008)
10/24/2008	<u>537</u>	 4.12KB	Reassignment of Case to Magistrate Judge Debra McVicker Lynch. Judge Jane Magnus-Stinson no longer assigned to the case. Please include the new case number (1:04-cv-0073-LJM-DML), which includes the initials of the newly assigned judge, on all future filings in this matter. (TMA) (Entered: 10/24/2008)
12/23/2008	<u>538</u>		*** SEALED PER <u>546</u> ORDER OF 12/31/08 *** SEALED MOTION TO STRIKE THE DEPOSITION TESTIMONY OF MICHAEL GRAVES OR, IN THE ALTERNATIVE, TO COMPEL DISCOVERY, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Text of Proposed Order)(Fowler, Phillip) Modified on 12/31/2008 (TMA). (Entered: 12/23/2008)
12/23/2008	<u>539</u>		*** SEALED PER <u>546</u> ORDER OF 12/31/08 *** SEALED PLAINTIFF CENTILLION DATA SYSTEMS' MEMORANDUM IN SUPPORT OF ITS MOTION TO STRIKE THE DEPOSITION TESTIMONY OF MICHAEL GRAVES OR, IN THE ALTERNATIVE, TO COMPEL DISCOVERY, re <u>538</u> SEALED Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit A -- Quest Deposition of Michael Graves, # (2) Exhibit B -- Letter from J. M. Bishop to M. Graves of May 9, 2008, # (3) Exhibit C -- Centillion Deposition of Michael Graves, # (4) Exhibit D -- M. Graves' Telephone Log, # (5) Exhibit E -- Invoice from M. Graves to A. LaVier dated August 26, 2008, # (6) Exhibit F -- Letter from A. LaVier to M. Graves dated August 25, 2008, # (7) Exhibit G -- Invoice from M. Graves to A. LaVier dated September 25, 2008, # (8) Exhibit H -- Letter from D. Buxton to M. White and C. Khoo dated September 30, 2008, # (9) Exhibit I -- Subpoena for Deposition of M. Graves, # (10) Exhibit J -- Morrison & Foerster check stub, # (11) Exhibit K -- Letter from H. Gallegos to M. White dated October 28, 2008, # (12) Exhibit L -- Letter from A. LaVier to M. White dated December 18, 2008, # (13) Exhibit M -- Portion of Plaintiff's First Set of Requests for Production of Documents to Defendants Qwest Communications International Inc. and Qwest Corporation, # (14) Exhibit N -- Portion of Plaintiff's Fifth Set of Requests for Production of Documents to Qwest)(Fowler, Phillip) Modified on 12/31/2008 (TMA). (Entered: 12/23/2008)
12/23/2008	<u>540</u>		*** SEALED PER <u>546</u> ORDER OF 12/31/08 *** SEALED Certification of Hemant Keeto Sabharwal, re <u>538</u> SEALED Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 12/31/2008 (TMA). (Entered: 12/23/2008)








12/23/2008	<u>541</u>	 144.57KB	MOTION to Seal Document <u>539</u> SEALED Document, <u>540</u> SEALED Document, <u>538</u> SEALED MOTION TO STRIKE THE DEPOSITION TESTIMONY OF MICHAEL GRAVES OR, IN THE ALTERNATIVE, TO COMPEL DISCOVERY Plaintiff Centillion Data Systems, LLC's Motion to File Under Seal Its Motion and Memorandum in Support of Its Motion to Strike the Deposition Testimony of Michael Graves or, in the Alternative, to Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Granting Motion to File Under Seal)(Fowler, Phillip) (Entered: 12/23/2008)
12/23/2008	<u>542</u>	 17.59KB	MOTION for Leave to Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 12/23/2008)
12/23/2008	<u>543</u>	 26.41KB	BRIEF/MEMORANDUM in Support re <u>542</u> MOTION for Leave to Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 12/23/2008)
12/23/2008	<u>544</u>	 203.54KB	DECLARATION of J. Manena Bishop in Support of Motion for Leave to Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff re <u>543</u> Brief/Memorandum in Support of Motion, <u>542</u> Motion (Other) by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Bishop Declaration, # <u>2</u> Exhibit 2 to Bishop Declaration, # <u>3</u> Exhibit 3 to Bishop Declaration, # <u>4</u> Exhibit 4 to Bishop Declaration)(Belusko, Vincent) (Entered: 12/23/2008)
12/24/2008	<u>545</u>		SEALED Submission of Signature Requirement, re <u>538</u> SEALED Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 12/24/2008)
12/31/2008	<u>546</u>	 100.19KB	ORDER granting <u>541</u> Motion to Seal Document <u>539</u> SEALED Document, <u>540</u> SEALED Document, <u>538</u> SEALED MOTION TO STRIKE THE DEPOSITION TESTIMONY OF MICHAEL GRAVES OR, IN THE ALTERNATIVE, TO COMPEL DISCOVERY. Signed by Magistrate Judge Debra McVicker Lynch on 12/31/08. (TMA) (Entered: 12/31/2008)
01/12/2009	<u>547</u>	 12.32KB	NOTICE of Manual Filing of Exhibit 1 to the Declaration of Adam J. LaVier, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION (Belusko, Vincent) (Entered: 01/12/2009)
01/12/2009	<u>548</u>		***SEALED PURSUANT TO ORDER <u>556</u> *** SEALED PLAINTIFF CENTILLION DATA SYSTEMS, LLC'S OPPOSITION TO MOTION FOR LEAVE TO TAKE DEPOSITION AFTER FACT








			<p><i>DISCOVERY CUT OFF</i>, re <u>542</u> Motion (Other), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Deposition Notice of Verizon Corporate Services Corp. dated November 7, 2006, # <u>2</u> Exhibit B -- Letter from Peter Weissman to Hector Gallegos dated November 22, 2006, # <u>3</u> Exhibit C -- Letters from Tracy Roybal to Peter Weissman and Brian Seal dated January 23, 2007 and February 7, 2007, # <u>4</u> Exhibit D -- Document entitled "Cobra" by Bruce Whitman that was marked confidential by third party Verizon, dated March 6, 1987, # <u>5</u> Exhibit E -- Memo from Michael Graves to Herb Lessman marked confidential by third party Verizon, dated March 23, 1987, # <u>6</u> Exhibit F -- Memo to File marked confidential by third party Verizon, Dated October 21, 1987, # <u>7</u> Exhibit G -- Draft Questionnaire marked confidential by third party Verizon, # <u>8</u> Exhibit H -- Excerpt from AT&T's Witness List from Centillion Data Systems v. AT&T, dated December 13, 1997, # <u>9</u> Exhibit I -- Letter from J. Manena Bishop to Michael Graves, Dated May 9, 2008, # <u>10</u> Exhibit J -- Servies of Invoices from Michael Graves to Qwest with telephone records, marked confidential, # <u>11</u> Exhibit K -- Letter from Adam LaVier to Michael Graves, Dated August 25, 2008, # <u>12</u> Exhibit L -- Sealed Order from United States v. Cinergy Corp., # <u>13</u> Exhibit M -- Excerpts from Michael Graves desposition taken on November 24, 2008, # <u>14</u> Exhibit N -- Excerpts from Michael Graves deposition taken December 9, 2008, # <u>15</u> Exhibit O -- Excerpts from Michael Graves deposition taken by Centillion on December 9, 2008, # <u>16</u> Exhibit P -- Excerpts from the deposition of James Coyle taken on December 11, 2008, # <u>17</u> Exhibit Q -- Excerpts from the deposition of Ed Varley taken on December 15, 2008, # <u>18</u> Exhibit R -- Declaration of Denise C. Lane)(Fowler, Phillip) Modified on 1/13/2009 (TRG). Modified on 1/14/2009 (TRG). (Entered: 01/12/2009)</p>
01/12/2009	<u>549</u>	 148.69KB	<p>MOTION to Seal Document <u>548</u> SEALED Document <i>PLAINTIFF'S MOTION TO FILE UNDER SEAL ITS OPPOSITION TO DEFENDANTS' MOTION FOR LEAVE TO TAKE A DEPOSITION AFTER FACT DISCOVERY CUT OFF AND ITS EXHIBITS IN SUPPORT THEREOF</i>, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 01/12/2009)</p>
01/12/2009	<u>550</u>		<p>***SEALED PURSUANT TO ORDER <u>557</u> ***SEALED <i>Qwest's Opposition to Centillion's <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves, or in the Alternative, to Compel Discovery</i>, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 1/13/2009 (TRG). Modified on 1/14/2009 (TRG). (Entered: 01/12/2009)</p>
01/12/2009	<u>551</u>		<p>***SEALED PURSUANT TO ORDER <u>557</u> *** SEALED <i>Declaration of Adam J. LaVier In Opposition to Centillion's <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves, or in the Alternative, to Compel Discovery</i>, re <u>547</u> Notice (Other), <u>550</u></p>








			SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 2 to LaVier Declaration, # <u>2</u> Exhibit 3 to LaVier Declaration, # <u>3</u> Exhibit 5 to LaVier Declaration, # <u>4</u> Exhibit 7 to LaVier Declaration, # <u>5</u> Exhibit 8 to LaVier Declaration, # <u>6</u> Exhibit 9 to LaVier Declaration, # <u>7</u> Exhibit 10 to LaVier Declaration, # <u>8</u> Exhibit 11 to LaVier Declaration, # <u>9</u> Exhibit 12 to LaVier Declaration, # <u>10</u> Exhibit 13 to LaVier Declaration, # <u>11</u> Exhibit 14 to LaVier Declaration, # <u>12</u> Exhibit 15 to LaVier Declaration, # <u>13</u> Exhibit 17 to LaVier Declaration, # <u>14</u> Exhibit 18 to LaVier Declaration, # <u>15</u> Exhibit 19 to LaVier Declaration, # <u>16</u> Exhibit 20 to LaVier Declaration, # <u>17</u> Exhibit 21 to LaVier Declaration, # <u>18</u> Exhibit 24 to LaVier Declaration, # <u>19</u> Exhibit 25 to LaVier Declaration, # <u>20</u> Exhibit 29 to LaVier Declaration, # <u>21</u> Exhibit 34 to LaVier Declaration, # <u>22</u> Exhibit 37 to LaVier Declaration, # <u>23</u> Exhibit 41 to LaVier Declaration, # <u>24</u> Exhibit 42 to LaVier Declaration, # <u>25</u> Exhibit 46 to LaVier Declaration, # <u>26</u> Exhibit 47 to LaVier Declaration, # <u>27</u> Exhibit 48 to LaVier Declaration)(Belusko, Vincent) Modified on 1/13/2009 (TRG). Modified on 1/14/2009 (TRG). (Entered: 01/12/2009)
01/12/2009	<u>552</u>	 37.73KB	MOTION to Seal Document <u>550</u> SEALED Document, <u>551</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Motion to Seal)(Belusko, Vincent) (Entered: 01/12/2009)
01/12/2009	<u>553</u>	 7.96MB	EXHIBIT in Support of Response in Opposition to Motion re <u>552</u> MOTION to Seal Document <u>550</u> SEALED Document, <u>551</u> SEALED Document <i>Exhibits (Public) to Declaration of Adam J. LaVier In Opposition to Centillion's Motion to Strike Deposition Testimony of Michael Graves, or in the Alternativek, to Compel Discovery</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 3 to LaVier Declaration, # <u>2</u> Exhibit 6 to LaVier Declaration, # <u>3</u> Exhibit 16 to LaVier Declaration, # <u>4</u> Exhibit 22 to LaVier Declaration, # <u>5</u> Exhibit 23 to LaVier Declaration, # <u>6</u> Exhibit 26 to LaVier Declaration, # <u>7</u> Exhibit 27 to LaVier Declaration, # <u>8</u> Exhibit 28 to LaVier Declaration, # <u>9</u> Exhibit 30 to LaVier Declaration, # <u>10</u> Exhibit 31 to LaVier Declaration, # <u>11</u> Exhibit 32 to LaVier Declaration, # <u>12</u> Exhibit 33 to LaVier Declaration, # <u>13</u> Exhibit 35 to LaVier Declaration, # <u>14</u> Exhibit 36 to Lavier Declaration, # <u>15</u> Exhibit 38 to LaVier Declaration, # <u>16</u> Exhibit 39 to LaVier Declaration, # <u>17</u> Exhibit 40 to LaVier Declaration, # <u>18</u> Exhibit 43 to LaVier Declaration, # <u>19</u> Exhibit 44 to LaVier Declaration, # <u>20</u> Exhibit 49 to LaVier Declaration, # <u>21</u> Exhibit 45 to LaVier Declaration)(Belusko, Vincent) (Entered: 01/13/2009)
01/12/2009	<u>555</u>		Submission of DVD filed manually re <u>547</u> , filed by Counter Defendants QWEST CORPORATION, QWEST







			COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (TRG) Modified on 1/13/2009 (TRG). (Entered: 01/13/2009)
01/13/2009	<u>554</u>		SEALED <i>Notice of Errata</i> , re <u>552</u> Motion to Seal a Document, <u>551</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 22 to LaVier Declaration)(Belusko, Vincent) (Entered: 01/13/2009)
01/13/2009	<u>556</u>	 87.89KB	ORDER granting <u>549</u> Motion to Seal Document. <u>548</u> SEALED Opposition to Defendants' Motion for Leave to Take a Deposition After Fact Discovery CutOff and its Exhibits in Support Thereof shall be maintained under seal. Signed by Judge Larry J. McKinney on 1/13/2009. (TRG) (Entered: 01/14/2009)
01/13/2009	<u>557</u>	 29.70KB	ORDER granting <u>552</u> Motion to Seal Document. <u>550</u> SEALED Qwest's Opposition to Centillion's <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves, or in the Alternative, to Compel Discovery AND <u>551</u> SEALED Declaration of Adam J. LaVier In Opposition to Centillion's <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves, or in the Alternative, to Compel Discovery shall be maintained under seal. Signed by Judge Larry J. McKinney on 1/13/2009. (TRG) (Entered: 01/14/2009)
01/26/2009	<u>558</u>		SEALED <i>Reply Brief in Support of Its</i> <u>538</u> <i>Motion To Strike The Deposition Testimony of Michael Graves or, in the Alternative, To Compel Discovery</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit O, # <u>2</u> Exhibit P, # <u>3</u> Exhibit Q, # <u>4</u> Exhibit R, # <u>5</u> Exhibit S, # <u>6</u> Exhibit T, # <u>7</u> Exhibit U, # <u>8</u> Exhibit V, # <u>9</u> Exhibit W, # <u>10</u> Exhibit X, # <u>11</u> Exhibit Y, # <u>12</u> Exhibit Z, # <u>13</u> Exhibit AA, # <u>14</u> Exhibit BB, # <u>15</u> Exhibit CC, # <u>16</u> Exhibit DD, # <u>17</u> Exhibit EE, # <u>18</u> Exhibit FF, # <u>19</u> Exhibit GG, # <u>20</u> Exhibit HH, # <u>21</u> Exhibit II, # <u>22</u> Exhibit JJ, # <u>23</u> Exhibit KK, # <u>24</u> Exhibit LL, # <u>25</u> Exhibit MM)(Fowler, Phillip) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>559</u>	 144.23KB	MOTION to Seal Document <u>558</u> SEALED Reply Brief in Support of <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves or, in the Alternative, To Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>560</u>	 141.92KB	MOTION For Hearing On Its <u>538</u> Motion to Strike The Deposition Testimony of Michael Graves or In The Alternative, To Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>561</u>		SEALED REPLY in support of Motion re <u>542</u> MOTION <i>for Leave to</i>








			<i>Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 01/26/2009)
01/26/2009	<u>562</u>		SEALED Declaration of Adam J. LaVier in Support of Qwest's <u>561</u> Reply in Support of their <u>542</u> Motion for Leave to Take the Deposition of Bruce Whitman After December 23, 2008 Fact Discovery Cutoff, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Declaration of Adam J. LaVier, # <u>2</u> Exhibit 2 to Declaration of Adam J. LaVier, # <u>3</u> Exhibit 3 to Declaration of Adam J. LaVier, # <u>4</u> Exhibit 4 to Declaration of Adam J. LaVier, # <u>5</u> Exhibit 5 to Declaration of Adam J. LaVier, # <u>6</u> Exhibit 6 to Declaration of Adam J. LaVier, # <u>7</u> Exhibit 7 to Declaration of Adam J. LaVier, # <u>8</u> Exhibit 8 to Declaration of Adam J. LaVier, # <u>9</u> Exhibit 10 to Declaration of Adam J. LaVier, # <u>10</u> Exhibit 11 to Declaration of Adam J. LaVier, # <u>11</u> Exhibit 12 to Declaration of Adam J. LaVier, # <u>12</u> Exhibit 13 to Declaration of Adam J. LaVier, # <u>13</u> Exhibit 14 to Declaration of Adam J. LaVier, # <u>14</u> Exhibit 15 to Declaration of Adam J. LaVier, # <u>15</u> Exhibit 16 to Declaration of Adam J. LaVier, # <u>16</u> Exhibit 17 to Declaration of Adam J. LaVier, # <u>17</u> Exhibit 18 to Declaration of Adam J. LaVier, # <u>18</u> Exhibit 19 to Declaration of Adam J. LaVier, # <u>19</u> Exhibit 20 to Declaration of Adam J. LaVier, # <u>20</u> Exhibit 21 to Declaration of Adam J. LaVier, # <u>21</u> Exhibit 22 to Declaration of Adam J. LaVier, # <u>22</u> Exhibit 23 to Declaration of Adam J. LaVier, # <u>23</u> Exhibit 24 to Declaration of Adam J. LaVier, # <u>24</u> Exhibit 25 to Declaration of Adam J. LaVier, # <u>25</u> Exhibit 26 to Declaration of Adam J. LaVier, # <u>26</u> Exhibit 27 to Declaration of Adam J. LaVier, # <u>27</u> Exhibit 29 to Declaration of Adam J. LaVier)(Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>563</u>		SEALED Declaration of J. Manena Bishop in Support of Qwest's <u>561</u> Reply in Support of Their <u>542</u> Motion for Leave to Take the Deposition of Bruce Whitman After December 23, 2008 Fact Discovery Cutoff, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>564</u>	 80.12KB	EXHIBIT 28 to the Declaration of Alan J. Lavier in Support of Quest's <u>561</u> Reply in Support of Their <u>542</u> MOTION for Leave to Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>565</u>		DECLARATION of E. Dale Buxton II in Support of Qwest's <u>561</u> Reply in Support of Their <u>542</u> Motion for Leave to Take the


		 16.84KB	Deposition of Bruce Whitman After December 23, 2008 Fact Discovery Cutoff, filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>566</u>	 35.85KB	MOTION to Seal Document <u>563</u> SEALED Declaration of J. Manena Bishop, <u>561</u> SEALED Reply in support of <u>542</u> Motion for Leave to Take the Deposition of Bruce Whitman, <u>562</u> SEALED Declaration of Adam J. LaVier, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order Granting Qwest's Motion to Seal)(Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/26/2009	<u>567</u>	 14.40KB	RESPONSE to <u>560</u> MOTION For Hearing re <u>538</u> Motion to Strike The Deposition Testimony of Michael Graves or In The Alternative, To Compel Discovery, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 1/27/2009 (TRG). (Entered: 01/26/2009)
01/27/2009	<u>568</u>		SEALED Reply In Support of <u>560</u> Motion for Hearing On <u>538</u> Motion to Strike The Deposition Testimony of Michael Graves or, In The Alternative, To Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 1/28/2009 (TRG). (Entered: 01/27/2009)
01/27/2009	<u>569</u>	 90.06KB	REPLY in Support of <u>560</u> MOTION For Hearing On <u>538</u> Motion to Strike The Deposition Testimony of Michael Graves or In The Alternative, To Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 1/28/2009 (TRG). (Entered: 01/27/2009)
01/27/2009	<u>570</u>	 94.74KB	ORDER granting <u>559</u> Motion to Seal Document <u>558</u> SEALED Reply Brief in Support of Its <u>538</u> Motion To Strike The Deposition Testimony of Michael Graves or, in the Alternative, To Compel Discovery, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. Signed by Magistrate Judge Debra McVicker Lynch on 1/27/2009. (LBK) (Entered: 01/28/2009)
01/27/2009	<u>571</u>	 37.09KB	ORDER granting <u>566</u> Motion to Seal Document <u>561</u> SEALED Reply Brief, <u>563</u> SEALED Declaration of J. Manena Bishop, <u>562</u> SEALED Declaration of Adam J. LaVier and supporting exhibits, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. Signed by Magistrate Judge Debra McVicker Lynch on 1/27/2009. (LBK) (Entered: 01/28/2009)
01/28/2009	<u>572</u>	 13.12KB	NOTICE of Bruce Whitman's Availability for Deposition on February 4, 5, or 6 (Relevant to Motion for Leave, D.I. 542, and Related Briefing D.I. 543, D.I. 548, D.I. 561), filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST



			COMMUNICATIONS CORPORATION, re <u>542</u> MOTION for Leave to Take Bruce Whitman's Deposition Beyond December 23, 2008 Fact Discovery Cutoff. (Belusko, Vincent) (Entered: 01/28/2009)
01/28/2009	<u>573</u>	 308.97KB	DECLARATION of J. Manena Bishop in Support of Qwest's Notice of Bruce Whitman's Availability for Deposition on February 4, 5, or 6 re <u>572</u> Notice (Other) re <u>542</u> MOTION for Leave to Take Bruce Whitman's Deposition, filed by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Bishop Declaration, # <u>2</u> Exhibit 2 to Bishop Declaration)(Belusko, Vincent) Modified on 1/29/2009 (TRG). (Entered: 01/28/2009)
02/02/2009	<u>574</u>	 246.68KB	MOTION for Attorney(s) Paul M. Honigberg to Appear pro hac vice. <i>CENTILLION'S MOTION FOR AN ORDER GRANTING PAUL M. HONIGBERG LEAVE TO APPEAR PRO HAC VICE</i> , filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- Appearance Pro Hac Vice for Paul M. Honigberg, # <u>2</u> Text of Proposed Order Granting Paul M. Honigberg Leave to Appear Pro Hac Vice)(Fowler, Phillip) (Entered: 02/02/2009)
02/02/2009	<u>575</u>	 42.54KB	ORDER granting <u>542</u> Motion for leave to take the deposition of Bruce Whitman beyond the December 23, 2008 fact discovery cutoff. (See Order) Signed by Magistrate Judge Debra McVicker Lynch on 2/2/09. (TMA) (Entered: 02/02/2009)
02/03/2009	<u>576</u>	 30.69KB	RECEIPT #IP 11022 in the amount of \$ 30.00 (pro hac vice filing fee for Paul M. Honigberg) (TRG) (Entered: 02/03/2009)
02/05/2009	<u>577</u>	 103.45KB	ORDER granting <u>574</u> Motion to Appear pro hac vice. Attorney Paul M. Honigberg for CITI GROUP (HOLDINGS) INC. and CENTILLION DATA SYSTEMS, LLC added. Signed by Judge Larry J. McKinney on 2/5/2009. (TRG) (Entered: 02/05/2009)
02/05/2009	<u>578</u>	 80.52KB	NOTICE of Appearance by Paul M. Honigberg on behalf of Counter Claimants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (TRG) (Entered: 02/05/2009)
02/05/2009	<u>579</u>	 131.53KB	MOTION to Modify <i>CENTILLION'S MOTION TO MODIFY CASE MANAGEMENT DEADLINES</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Granting Centillion's Motion to Modify Case Management Deadlines)(Fowler, Phillip) (Entered: 02/05/2009)
02/05/2009	<u>580</u>		BRIEF/MEMORANDUM in Support re <u>579</u> MOTION to Modify <i>CENTILLION'S MOTION TO MODIFY CASE MANAGEMENT DEADLINES</i> CENTILLION'S BRIEF IN SUPPORT OF ITS MOTION TO MODIFY CASE MANAGEMENT DEADLINES, filed






		 246.52KB	by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- E-Mail exchange between J. Manena Bishop and Caren Khoo, Feb. 2-4, 2009, # <u>2</u> Exhibit 2 -- E-mail from J. Manena Bishop to H. Keeto Sabharwal, Jan. 27, 2009, # <u>3</u> Exhibit 3 -- E-mail from J. Manena Bishop to Michael White, Feb. 4, 2009)(Fowler, Phillip) (Entered: 02/05/2009)
02/05/2009	<u>581</u>	 170.31KB	AFFIDAVIT in Support of Motion re <u>579</u> MOTION to Modify <i>CENTILLION'S MOTION TO MODIFY CASE MANAGEMENT DEADLINES CERTIFICATION OF MICHAEL D. WHITE</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- E-mail exchange between J. Manena Bishop and Michael White, Feb. 3-4, 2009)(Fowler, Phillip) (Entered: 02/05/2009)
02/05/2009	<u>582</u>	 152.93KB	MOTION for Emergency Hearing re <u>579</u> MOTION to Modify <i>CENTILLION'S MOTION TO MODIFY CASE MANAGEMENT DEADLINES PLAINTIFF'S MOTION FOR EMERGENCY HEARING ON ITS MOTION TO MODIFY CASE MANAGEMENT ORDER DEADLINES</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order Granting Plaintiff's Motion for Emergency Hearing on Plaintiff's Motion to Modify Case Management Deadlines)(Fowler, Phillip) (Entered: 02/05/2009)
02/05/2009	<u>583</u>	 29.75KB	ORDER granting <u>582</u> Motion for Emergency Hearing. The matter will be heard by telephone on 2/6/2009 12:00 Noon E.S.T. before Magistrate Judge Debra McVicker Lynch. Counsel shall telephone the court at the number listed in this Order.Signed by Magistrate Judge Debra McVicker Lynch on 2/5/2009. (JMC) (Entered: 02/05/2009)
02/05/2009	<u>584</u>	 40.02KB	RESPONSE in Opposition re <u>579</u> MOTION to Modify <i>CENTILLION'S MOTION TO MODIFY CASE MANAGEMENT DEADLINES</i> , filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 02/06/2009)
02/06/2009	<u>585</u>	 359.74KB	DECLARATION of Adam J. LaVier re <u>584</u> Response in Opposition to <u>579</u> Motion by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit Exhibit 1, # <u>2</u> Exhibit Exhibit 2, # <u>3</u> Exhibit Exhibit 3)(Belusko, Vincent) Modified on 2/9/2009 (TRG). (Entered: 02/06/2009)
02/06/2009	<u>586</u>	 30.58KB	ORDER granting <u>579</u> Motion to Modify Case Management Deadlines. See order for modified deadlines and additional details. Signed by Magistrate Judge Debra McVicker Lynch on 2/6/09. (WJC) (Entered: 02/06/2009)
02/25/2009	<u>587</u>		NOTICE of New Evidence Relevant to Plaintiff's <u>538</u> Motion to




		 19.56KB	<i>Strike the Deposition Testimony of Michael Graves or, in the Alternative, to Compel Discovery</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION (Belusko, Vincent) Modified on 2/26/2009 (TRG). (Entered: 02/25/2009)
02/25/2009	<u>588</u>	 11.07KB	DECLARATION of Adam J. LaVier ISO Qwest's Notice of New Evidence Relevant to Plaintiff's <u>538</u> Motion to Strike the Deposition Testimony of Michael Graves re <u>587</u> Notice (Other) by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 2/26/2009 (TRG). (Entered: 02/25/2009)
02/25/2009	<u>589</u>		*** SEALED PER <u>591</u> ORDER OF 2/26/09 *** SEALED Exhibits 1 through 4 to the Declaration of Adam J. LaViere ISO Qwest's Notice of New Evidence Relevant to Plaintiff's <u>538</u> Motion to Strike the Depo. Testimony of Michael Graves, re <u>588</u> Declaration, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # (1) Exhibit 1 - Table of New Evidence Provided by Mr. Whitman That Corroborates Evidence Provided by Mr. Graves, # (2) Exhibit 2 - Excerpts of Michael Graves Depo. Transcript, Nov. 24, 2008, # (3) Exhibit 3 - Excerpts of Bruce Whitman's Depo. Transcript, Feb. 11, 2009, # (4) Exhibit 4 - Fourth Annual Technical Excellence Program Awards Dinner Brochure, May 25, 1988, bates stamped VZ CENT QWST 00001-00008)(Belusko, Vincent) Modified on 2/26/2009 (TRG). Modified on 2/26/2009 (TMA). (Entered: 02/25/2009)
02/25/2009	<u>590</u>	 27.01KB	MOTION to Seal Document 589 SEALED Document Qwest's Motion to Seal Exhibits 1 through 4 to Decl. of Adam J. LaVier ISO Notice of New Evidence, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 02/25/2009)
02/26/2009	<u>591</u>	 38.49KB	ORDER granting <u>590</u> Motion to Seal Document <u>589</u> Exhibits 1 through 4 to the Declaration of Adam J. LaVier. Signed by Magistrate Judge Debra McVicker Lynch on 2/26/2009. (TMA) (Entered: 02/26/2009)
02/27/2009	<u>592</u>	 99.55KB	REPLY in Support of Motion re <u>538</u> SEALED MOTION TO STRIKE THE DEPOSITION TESTIMONY OF MICHAEL GRAVES OR, IN THE ALTERNATIVE, TO COMPEL DISCOVERY Centillion's Response to Qwest's Notice of New Evidence Relevant to Plaintiff's Motion to Strike the Deposition Testimony of Michael Graves, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 02/27/2009)
03/26/2009	<u>593</u>		MOTION for Attorney(s) Victor M. Wigman to Appear pro hac vice. Centillion's Motion For An Order Granting Victor M. Wigman Leave To Appear Pro Hac Vice, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS,



		246.07KB	LLC. (Attachments: # <u>1</u> Exhibit 1 -- Appearance Pro Hac Vice For Victor M. Wigman, # <u>2</u> Text of Proposed Order Granting Victor M. Wigman Leave to Appear Pro Hac Vice)(Fowler, Phillip) (Entered: 03/26/2009)
03/26/2009	<u>594</u>	 18.02KB	RECEIPT #IP 11826 in the amount of \$ 30.00 (pro hac vice filing fee for Victor M. Wigman) (TRG) (Entered: 03/27/2009)
03/30/2009	<u>595</u>	 175.73KB	ORDER granting <u>593</u> Motion to Appear pro hac vice. Attorney Victor M. Wigman for CITI GROUP (HOLDINGS) INC. and CENTILLION DATA SYSTEMS, LLC added. Signed by Judge Larry J. McKinney on 3/30/2009. (TRG) (Entered: 03/30/2009)
03/30/2009	<u>596</u>	 81.29KB	NOTICE of Appearance by Victor M. Wigman on behalf CITI GROUP (HOLDINGS) INC. and CENTILLION DATA SYSTEMS, LLC. (TRG) (Entered: 03/30/2009)
04/10/2009	<u>597</u>	 18.61KB	MOTION to Dismiss <i>Consolidated Plaintiffs Qwest Corp. and Qwest Communications Corp.'s Motion to Dismiss CTI Group's Counterclaim and Request to Voluntarily Dismiss Their Claims against CTI Group Holdings</i> , filed by Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 04/10/2009)
04/10/2009	<u>598</u>	 61.02KB	BRIEF/MEMORANDUM in Support re <u>597</u> MOTION to Dismiss <i>Consolidated Plaintiffs Qwest Corp. and Qwest Communications Corp.'s Motion to Dismiss CTI Group's Counterclaim and Request to Voluntarily Dismiss Their Claims against CTI Group Holdings</i> , filed by Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 04/10/2009)
04/10/2009	<u>599</u>	 6.77MB	DECLARATION of J. Manena Bishop re <u>597</u> Motion to Dismiss by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Declaration of J. Manena Bishop - CTI Group 10-QSB For Quarter Ended 9/30/05, # <u>2</u> Exhibit 1, Part Two to Decl. of J. Manena Bishop - CTI Group 10-QSB for Quarter Ended 9/30/05, # <u>3</u> Exhibit 2 to Decl. of J. Manena Bishop - 8/22/08 Centillion's Second Amended and Suppl. Objections and Responses, # <u>4</u> Exhibit 3 to Decl. of J. Manena Bishop - CTI Group Holdings 2008-10KSB for year ended Dec. 31, 2007, # <u>5</u> Exhibit 4 to Decl. of J. Manena Bishop - Correspondence Betw. Michael White of Blank Rome LLP and J. Manena Bishop of Morrison & Foerster)(Belusko, Vincent) (Entered: 04/10/2009)
04/14/2009	<u>600</u>	 19.20KB	MOTION for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Network Applications Per 28 U.S.C. Section 1498, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 04/15/2009)
04/15/2009	<u>601</u>		***SEALED PURSUANT TO ORDER <u>636</u> DATED 4/23/2009***

			SEALED Memorandum In Support of <u>600</u> Qwest's Motion for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group's Patent Infringement Claims Based on the Accused Network Applications Pursuant to 28.U.S.C. Section 1498, filed by Defendant QWEST. (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/23/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>602</u>	 0.57MB	DECLARATION of J. Manena Bishop in Support of <u>601</u> SEALED Memorandum in Support re <u>600</u> Motion for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Network Applications Pursuant to 28 U.S.C. Section 1498. (Attachments: # <u>1</u> Exhibit 10 to Bishop Decl. - Qwest Press Release, # <u>2</u> Exhibit 11 to Bishop Decl. - Qwest Press Release: Qwest Selected for \$20 Billion U.S. Govt Network Ent. Contract, dated 5/31/07, # <u>3</u> Exhibit 14 to Bishop Decl. - Copies of Correspondence Betw. J. Manena Bishop and Michael White of Blank Rome LLP) (Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>603</u>		***SEALED PURSUANT TO ORDER <u>636</u> DATED 4/23/2009*** SEALED Exhibits to <u>602</u> Declaration of J. Manena Bishop re <u>601</u> SEALED Memorandum in Support re <u>600</u> ISO Qwest Motion for Partial Summary Judgment, filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit 1 to Bishop Decl. - Letter from GSA Fed. Tech. Svc. to Industry Partners, May 5, 2005, # <u>2</u> Exhibit 2a to Bishop Decl. - Solicitation, Offer & Award form for Networkx Univ., May 6, 2005, # <u>3</u> Exhibit 2b to Bishop Decl. - Solicitation, Offer & Award form for Networkx Enterprise, May 6, 2005, # <u>4</u> Exhibit 3a to Bishop Decl. - Section J.12, Ordering & Biling Data Elements of the Networkx Univ. Req. for Proposal, Nov. 15, 2006, # <u>5</u> Exhibit 4a to Bishop Decl. - Section C.3.6.1.2, Direct Billing Functional Requirements of the Networkx Univ. RFP, Nov. 15, 2006, # <u>6</u> Exhibit 4b to Bishop Decl. - Section C.3.6.1.2 Direct Billing Functional Requirements of the Networkx Ent. RFP, May 6, 2005, # <u>7</u> Exhibit 5 to Bishop Decl. - Section I, Clauses Incorporated by Reference of the Networkx Univ. RFP, May 6, 2005, # <u>8</u> Exhibit 6 to Bishop Decl. - Section I, Clauses Incorporated by Reference of the Networkx Ent. RFP, Dec. 23, 2006, # <u>9</u> Exhibit 7 to Bishop Decl. - Revised Proposal to GSA: Networkx Univ., Dec. 13, 2006, # <u>10</u> Exhibit 8 to Bishop Decl. - Revised Proposal to GSA: Networkx Ent., March 5, 2007, # <u>11</u> Exhibit 9a to Bishop Decl. - Networkx Univ. Final Revised Proposal, section 3.10.1.1 Responses to Narrative Requirements, Dec. 13, 2006, # <u>12</u> Exhibit 9b to Bishop Decl. - Networkx Ent. Final Revised Proposal, section 3.10.1.1 Response to Narrative Requirements, March 5, 2007, # <u>13</u> Exhibit 12a to Bishop Decl. - Section H, Type & Terms of Contract of the Networkx Univ. Contract, # <u>14</u> Exhibit 12b to Bishop Decl. - Section H, Type & Terms of Contract of the Networkx Ent. Contract, # <u>15</u> Exhibit 13 to Bishop Decl. - QCC's Tenth Suppl. Responses to Centillion's First Set of Rogs, April 22, 2008 at 32, # <u>16</u> Exhibit 15 to Bishop Decl. - GSA Memorandum re

			Networkx Univ., Aug. 29, 2007, # <u>17</u> Exhibit 16 to Bishop Decl. - Standard Form 26 for the Networkx Ent. Contract, May 31, 2007) (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/23/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>604</u>	 21.28KB	***DISREGARD DUE TO INCORRECT FILING - SEE <u>631</u> AMENDED MOTION*** MOTION to Seal Document <u>601</u> SEALED Memorandum re <u>600</u> Motion for Partial Summary Judgment to Bar Centillion and CTI Group's Patent Infringement Claims Based on the Accused Networkx Applications Pursuant to 28 U.S.C. Section 1498 AND <u>603</u> SEALED Exhibits, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>605</u>	 22.81KB	MOTION for Summary Judgment of Invalidity of the '270 Patent, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>606</u>		***SEALED PURSUANT TO ORDER <u>635</u> *** SEALED Qwest's Memorandum in Support of <u>605</u> Motion for Summary Judgment of Invalidity of the '270 Patent, filed by Defendant QWEST. (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>607</u>		***SEALED PURSUANT TO ORDER <u>635</u> *** SEALED Exhibits to <u>608</u> Decl. of Adam J. LaVier re <u>605</u> ISO Qwest's Motion for Summary Judgment of Invalidity of the '270 Patent, re <u>606</u> SEALED Brief in Support of Motion, filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit 7 to LaVier Decl. - COBRA demonstration video, 11-3-08, # <u>2</u> Exhibit 8 to LaVier Decl. - Excerpts from Bruce Whitman depo., 2-11-09, # <u>3</u> Exhibit 9 to LaVier Decl. - Excerpts from James Coyle Depo., 12-11-08, # <u>4</u> Exhibit 10 to LaVier Decl. - Excerpts from Ed Varley depo., 12-15-08, # <u>5</u> Exhibit 11 to LaVier Decl. - Excerpts from Michael Graves depo., Vol. 1, 11-24-08, # <u>6</u> Exhibit 14 to LaVier Decl. - Excerpts from Michael Graves depo., Vol. 2, 12-9-08, # <u>7</u> Exhibit 15 to LaVier Decl. - COBRA Operator's Manual, 8-14-87, # <u>8</u> Exhibit 16 to LaVier Decl. - Proposal for COBRA, 3-6-87, # <u>9</u> Exhibit 17 to LaVier Decl. - Memo re "Cipher 990 tape unit for COBRA project, 3-23-87, # <u>10</u> Exhibit 18 to LaVier Decl. - Excerpts from Michael Graves depo., Vol. 3, 12-9-08, # <u>11</u> Exhibit 19 to LaVier Decl. - Resume of Michael Graves, # <u>12</u> Exhibit 20 to LaVier Decl. - "COBRA a Bundle of Customer Benefits," 4-17-87, # <u>13</u> Exhibit 21 to LaVier Decl. - "COBRA - Trial Customer - documentation release 2.0," 10-28)(Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>608</u>		DECLARATION of Adam LaVier re <u>606</u> SEALED Brief in Support re <u>605</u> ISO Motion for Summary Judgment of Invalidity of the '270 Patent, filed by QWEST. (Attachments: # <u>1</u> Exhibit 1 to LaVier Decl.







		 7.63MB	<p>- US Patent No. 5,287,270, # <u>2</u> Exhibit 2 to LaVier Decl. - Office Action re prosecution of '270 Patent, # <u>3</u> Exhibit 3 to LaVier Decl. - Examiner Interview Summary Record re prosecution of '270 Patent, 5-27-93, # <u>4</u> Exhibit 4 to LaVier Decl. - Robin Loyed Decl. re prosecution of '270 Patent, # <u>5</u> Exhibit 5 to LaVier Decl. - Amendment re prosecution of the '270 Patent, 6-30-93, # <u>6</u> Exhibit 6 to LaVier Decl. - Notice of Allowability re prosecution of '270 Patent, # <u>7</u> Exhibit 12 to LaVier Decl. - TRACE demonstration package, 11-87, # <u>8</u> Exhibit 13 to LaVier Decl. - excerpts from the Jack Grimes, Vol. 2, 4-1-09, # <u>9</u> Exhibit 23 to LaVier Decl. - Publication from the Proceedings of National Communications Forum, Oct. 3, 4, 5, 1988, # <u>10</u> Exhibit 24 to LaVier Decl. - Article entitled "Electronic Billing 101," 3-20-95, # <u>11</u> Exhibit 26 to LaVier Decl. - Centillion's Obj. and Resp. to Qwest's 2nd Amended 1st RFA, 12-22-08)(Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>609</u>		<p>***SEALED PURSUANT TO ORDER <u>635</u> *** SEALED Additional Exhibits re <u>608</u> Decl. of Adam J. LaVier re <u>606</u> SEALED Brief in Support of <u>605</u> ISO Qwest's Motion for Summary Judgment of Invalidity, filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit 22 to LaVier Decl. - "TRACE Conversion System Design Specification, 12-87, # <u>2</u> Exhibit 25 to LaVier Decl. - Brochure from 4th Annual Tech. Excellence Program Awards Dinner, 5-25-88, # <u>3</u> Exhibit 27 to LaVier Decl. - Table re enumerated factual assertions and citations to supporting evidence)(Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>610</u>	 26.67KB	<p>MOTION to Seal Document <u>609</u> SEALED Exhibit, <u>607</u> SEALED Exhibit, and <u>606</u> SEALED Brief in Support of Qwest's Summary Judgment of Invalidity of the '270 Patent and Certain Exhibits to the Decl. of Adam J. LaVier in Support Thereof, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>611</u>	 11.64KB	<p>NOTICE of Filing <i>Notice of Manual Filing of Exh. 7 to Decl. of Adam J. LaVier ISO Qwest's Motion for Summary Judgment of Invalidity</i> by QWEST (Belusko, Vincent) (Entered: 04/15/2009)</p>
04/15/2009	<u>612</u>	 11.55KB	<p>NOTICE of Filing <i>Notice of Manual Filing of Exh. 12 to the Decl. of Adam J. LaVier ISO Qwest's Motion for Summary Judgment of Invalidity</i> by QWEST (Belusko, Vincent) (Entered: 04/15/2009)</p>
04/15/2009	<u>613</u>	 136.92KB	<p>MOTION for Partial Summary Judgment <i>That None Of The Claims Of The '270 Patent Is Anticipated By Cobra Or Trace</i>, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 04/15/2009)</p>
04/15/2009	<u>614</u>		<p>***SEALED PURSUANT TO ORDER <u>633</u> *** SEALED PLAINTIFFS CENTILLION DATA SYSTEMS' AND CTI</p>






			<p>GROUP'S MEMORANDUM IN SUPPORT OF <u>613</u> MOTION FOR PARTIAL SUMMARY JUDGMENT THAT NONE OF THE CLAIMS OF THE '270 PATENT IS ANTICIPATED BY COBRA OR TRACE, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC.</p> <p>(Attachments: # <u>1</u> Exhibit 1 -- Letter from V. Belusko to M. White et al., dated January 21, 2008, # <u>2</u> Exhibit 2 -- Qwest Corp.s Fourteenth Supplemental Responses to Plaintiffs First Interrogatories, # <u>3</u> Exhibit 3 -- Supplemental Report by Steven R. Kursh, dated Feb. 18, 2009, # <u>4</u> Exhibit 4 -- Graves invoices, # <u>5</u> Exhibit 5 -- The 270 patent, # <u>6</u> Exhibit 6 -- Google Patents page for the 270 patent, # <u>7</u> Exhibit 7 -- Examiner Interview Summary Record, App. Ser. No. 07/984,374, dated May 27, 1993, # <u>8</u> Exhibit 8 -- Amendment, App. Ser. No. 07/984,374, dated June 30, 1993, # <u>9</u> Exhibit 9 -- Whitman Deposition, excerpts, # <u>10</u> Exhibit 10 -- Graves Deposition (Nov. 24, 2008), excerpts, # <u>11</u> Cover Sheet for Sealed Document 11 -- Graves Deposition (Dec. 9, 2008 vol. 1), excerpts, # <u>12</u> Exhibit 12 -- VZ CENT GRAVES 00001-3, 6-7, # <u>13</u> Exhibit 13 -- Varley Deposition, excerpts, # <u>14</u> Exhibit 14 -- Coyle Deposition, excerpts, # <u>15</u> Exhibit 15 -- Dr. Kursh Deposition, # <u>16</u> Exhibit 16 -- VZ CENT QWEST 00029-30, # <u>17</u> Exhibit 17 -- VZ CENT QWEST 00043 TRACE Demo printout of portions of SMDR.dbf file, # <u>18</u> Exhibit 18 -- VZ CENT QWEST 00043 TRACE Demo printout of portions of TOLL.dbf file, # <u>19</u> Exhibit 19 -- Dr. Walton Depo. at 223:1-10, # <u>20</u> Exhibit 20 -- Dr. Kursh Rebuttal Report, 145)(Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>615</u>	 150.43KB	<p>MOTION to Seal Document <u>614</u> SEALED BRIEF AND EXHIBITS OFFERED IN SUPPORT OF <u>613</u> MOTION FOR PARTIAL SUMMARY JUDGMENT THAT NONE OF THE CLAIMS OF THE '270 PATENT IS ANTICIPATED BY COBRA OR TRACE, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>616</u>	 133.84KB	<p>MOTION for Partial Summary Judgment <i>Of Infringement</i>, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 04/15/2009)</p>
04/15/2009	<u>617</u>	 16.96KB	<p>MOTION for Summary Judgment of Noninfringement, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>618</u>		<p>***SEALED PURSUANT TO ORDER <u>637</u> DATED 4/23/2009*** SEALED Qwest's Memorandum in Support of <u>617</u> Motion for Summary Judgment, filed by Defendant QWEST. (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/23/2009 (TRG).</p>



			(Entered: 04/15/2009)
04/15/2009	<u>619</u>	 6.84MB	DECLARATION of Vincent J. Belusko re <u>618</u> SEALED Brief in Support of <u>617</u> ISO Qwest's Motion for Summary Judgment of Noninfringement. (Attachments: # <u>1</u> Exhibit 1 to Belusko Decl. - USP 5,287,270, # <u>2</u> Exhibit 9 to Belusko Decl. - Excerpts from Brilz Depo., 12/10/04, # <u>3</u> Exhibit 10 to Belusko Decl. - Excerpts of eBill Companion 1.0 User Manual)(Belusko, Vincent) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>620</u>		***SEALED PURSUANT TO ORDER <u>637</u> DATED 4/23/2009*** SEALED Declaration of Venkat Ashok re <u>618</u> SEALED Brief in Support of <u>617</u> Motion for Summary Judgment of Noninfringement, filed by Defendant QWEST. (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/23/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>621</u>		***SEALED PURSUANT TO ORDER <u>637</u> DATED 4/23/2009*** SEALED Exhibits to <u>620</u> SEALED Declaration of Vincent Belusko re <u>618</u> SEALED Brief in Support of <u>617</u> ISO Qwest's Motion for Summary Judgment of Noninfringement, filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit 2 to Belusko Decl. - Excerpts from depo. of V. Ashok, 11/19, 20, 21/2008, # <u>2</u> Exhibit 3 to Belusko Decl. - eBill Companion FAQ, # <u>3</u> Exhibit 4 to Belusko Decl. - Excerpts of J. Grimes Depo., 3/13/09, # <u>4</u> Exhibit 5 to Belusko Decl. - Excerpts of V. Ashok Depo., 4/26/2006, # <u>5</u> Exhibit 6 to Belusko Decl. - Expert Report of J. Grimes & Attached Claim Charts, 1/8/2009, # <u>6</u> Exhibit 7 to Belusko Decl. - Expert Report of V. Thomas, 1/8/2009, # <u>7</u> Exhibit 8 to Belusko Decl. - Centillion's Suppl. Rog Responses to Rog 9 & Attached Claim Charts, 12/23/2008, # <u>8</u> Exhibit 11 to Belusko Decl. - Technology Overview of Qwest Control Application, # <u>9</u> Exhibit 12 to Belusko Decl. - Qwest Press Release "Qwest Enhances Self-Serve Portal," etc., # <u>10</u> Exhibit 13 to Belusko Decl. - Excerpts of V. Ashok Depo., 3/1/2007, # <u>11</u> Exhibit 14 to Belusko Decl. - Qwest Info Technologies Customer Billing Svcs Organization, etc., # <u>12</u> Exhibit 15 to Belusko Decl. - Qwest Control eBilling High Level System Diagram) (Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/23/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>622</u>	 26.43KB	***DISREGARD DUE TO INCORRECT FILING - SEE <u>632</u> AMENDED MOTION*** MOTION to Seal Document <u>620</u> SEALED Declaration of Venkat Ashok, <u>618</u> SEALED Memorandum in Support, <u>621</u> SEALED Exhibits, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>623</u>		***SEALED PURSUANT TO ORDER <u>634</u> *** SEALED BRIEF in Support of <u>616</u> MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS,




		<p>LLC. (Attachments: # <u>1</u> Exhibit 1A -- 1.270 Patent, # <u>2</u> Exhibit 1B -- 1.270 Patent, # <u>3</u> Exhibit 2 -- 2.Ashok Deposition Transcript excerpts (Ashok Depo. II), Nov. 19, 2008, # <u>4</u> Exhibit 3 -- 3.Qwest Control eBilling High Level System Diagram (including eBilling, EBC, LEC Data File CSR), version 2 (Sept. 21, 2005) (QCC-579227), # <u>5</u> Exhibit 4A -- 4.eBill Companion 1.0 User Manual (Feb. 2004) (QCC-005285-508) [specific pages cited], # <u>6</u> Exhibit 4B -- 4.eBill Companion 1.0 User Manual (Feb. 2004) (QCC-005285-508) [specific pages cited], # <u>7</u> Exhibit 5 -- 5.Qwest Pricing Overview, Version 3.0, 8 (rev. July 13, 2004) (QCC-2941499-529) [specific pages cited are QCC-2941506-07], # <u>8</u> Exhibit 6 -- 6.Qwest Billing Stream Overview (rev. June 29, 2001) (QCC-341761-82) [specific page cited is page QCC-341764, 341772-73, 341777]], # <u>9</u> Exhibit 7 -- 7.Ashok Deposition Transcript excerpts (Ashok Depo. I) (Mar. 1, 2007), # <u>10</u> Exhibit 8 -- 8.Billing Data Server (BDS) (QCC 617931-37))(Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>624</u>	<p>***SEALED PURSUANT TO ORDER <u>634</u> *** SEALED Continuation of Exhibits re <u>623</u> BRIEF IN SUPPORT OF <u>616</u> MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 9 -- 9.eBC Back Office Support Document (QCC-1562980-82) [specific page cited is QCC-1562980-81], # <u>2</u> Exhibit 10 -- 10.E-Mail from Christinia Nichols to Venkat Tatineni, et al., LATIS and Mediation Server Info, with attachment (June 19, 2006) (QCC-1494695-99), # <u>3</u> Exhibit 11 -- 11.LATIS (LCI Advanced Telecommunications Information System), Production Disaster Recovery Plan (rev. Apr. 20, 2005) (QCC-2958936-64) [specific page cited is QCC-2958947], # <u>4</u> Exhibit 12 -- 12.Ashok Dep. Transcript Excerpts (Ashok Depo. III), Nov. 20, 2008, # <u>5</u> Exhibit 13 -- 13.eBC (Ebc Back Office) (QCC-1548238-40) [specific page cited is QCC-1548240], # <u>6</u> Exhibit 14 -- 14.Diagram showing BDS, EBC Back Office and Qwest Control (QC-661344), # <u>7</u> Exhibit 15A -- 15.Qwest Alternate Media Support Group Training Manual (May 1, 2003) (QCC-761455-644) [specific page cite is 761566])(Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>625</u>	<p>***SEALED PURSUANT TO ORDER <u>634</u> *** SEALED Continuation of Exhibits re <u>623</u> BRIEF IN SUPPORT OF <u>616</u> MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 15B -- 15.Qwest Alternate Media Support Group Training Manual (May 1, 2003) (QCC-761455-644) [specific page cite is 761566], # <u>2</u> Exhibit 15C -- 15.Qwest Alternate Media Support Group Training Manual (May 1, 2003) (QCC-761455-644) [specific page cite is 761566], # <u>3</u> Exhibit 15D -- 15.Qwest Alternate Media Support Group Training Manual (May 1,</p>




		2003) (QCC-761455-644) [specific page cite is 761566])(Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>626</u>	<p>***SEALED PURSUANT TO ORDER <u>634</u> *** SEALED</p> <p>Continuation of Exhibits re <u>623</u> BRIEF IN SUPPORT OF <u>616</u> MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 16 -- 16.eBill Companion 1.0 Technical Reference (Aug. 2002) (QCC-005057-68) [specific pages cited are 005058-61], # <u>2</u> Exhibit 17 -- 17.State of Arizona, Dept of Admin., Info. Services Div., Electronic File Requirements, Response form eBill Companion 9eBC) perspective (Nov. 8, 2004) (QCC-390250-51), # <u>3</u> Exhibit 18 -- 18.E-Mail exchange between Venkot Ashok and Keith Brummet (Dec. 2002) (QCC-621705-06), # <u>4</u> Exhibit 19 -- 19.Solution Strategy for: CRIS CSR and Billing Data to eBC (Wells Fargo Interim Solution) (Dec. 5, 2003) (QC-351878-80), # <u>5</u> Exhibit 20 -- 20.Document excerpt entitled, 3.2 Billing (QCC-356462-74), # <u>6</u> Exhibit 21 -- 21.E-Mail exchange between Becky Groves and Teresa Wilson (Feb. 3, 2005) (QCC-0837208-11), # <u>7</u> Exhibit 22 -- 22.E-Mail from Cherry Archuleta to Becky Groves (Aug. 19, 2005) (QCC-0844772), # <u>8</u> Exhibit 23 -- 23.E-Mail from Landa Rogers to Regina Simonek (Apr. 16, 2003) (QCC-1540834-36), # <u>9</u> Cover Sheet for Sealed Document 24 -- 24.E-Mail from Colleen Hilleary to Pete Patel, et al. (June 7, 2007) (QCC-1536451-53), # <u>10</u> Exhibit 25 -- 25.E-Mail from Tami Eickstaedt to Chris Stoeber (Mar. 25, 2005) (QCC-1526903), # <u>11</u> Exhibit 26 -- 26.Project Requirement Form (Dec. 2, 2002) (QCC-2384580-82), # <u>12</u> Exhibit 27 -- 27.Alternate Medias Mandatory Requirements for eBC Registration (QCC-384987-88), # <u>13</u> Exhibit 28 -- 28.eBC Wells Fargo Design Proposal (QCC-1534321-24), # <u>14</u> Exhibit 29 -- 29.eBill Companion FAQs (updated Feb. 2003) (QCC-005534-38), # <u>15</u> Exhibit 30 -- 30.Out-of-Region EBC High Level System Flow 06-18-2003 (QCC-574951), # <u>16</u> Exhibit 31 -- 31.Qwest eBill Companion (Feb. 2003) (QCC-005509), # <u>17</u> Exhibit 32A -- 32.Qwest eBill Companion 1.0 User Manual (Aug. 2002) (QCC-137095-349) [page cited is 137181 & 84], # <u>18</u> Exhibit 32B -- 32.Qwest eBill Companion 1.0 User Manual (Aug. 2002) (QCC-137095-349) [page cited is 137181 & 84])(Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)</p>
04/15/2009	<u>627</u>	<p>***SEALED PURSUANT TO ORDER <u>634</u> *** SEALED</p> <p>Continuation of Exhibits re <u>623</u> BRIEF IN SUPPORT OF <u>616</u> MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 33 -- 33.Compendium of architecture diagrams, # <u>2</u> Exhibit 34 -- 34.Table of ascii text files distributed to data only customers (QCC-352793-802) [Specific page cite 352793],</p>





			# <u>3</u> Exhibit 35 -- 35.Table of ascii text files distributed to data-only customers (QCC-352873-80f), # <u>4</u> Exhibit 36 -- 36.E-Mail from Travis Richardson to Ryan Keller (Jan. 5, 2006) (QCC-1659984-89)) (Fowler, Phillip) Modified on 4/16/2009 (TRG). Modified on 4/20/2009 (TRG). (Entered: 04/15/2009)
04/15/2009	<u>628</u>	 148.10KB	MOTION to Seal Document <u>623</u> SEALED Brief in Support of <u>616</u> MOTION for Partial Summary Judgment of Infringement, <u>626</u> SEALED Exhibits, <u>627</u> SEALED Exhibits, <u>625</u> SEALED Exhibits, <u>624</u> SEALED Exhibits, filed by Consol Defendant CITI GROUP (HOLDINGS) INC., Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) Modified on 4/16/2009 (TRG). (Entered: 04/15/2009)
04/16/2009	<u>629</u>		Submission of Exh. 7 (DVD) to <u>608</u> Decl. of Adam J. LaVier re <u>605</u> ISO Qwest's Motion for Summary Judgment of Invalidity, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (TRG) (Entered: 04/17/2009)
04/16/2009	<u>630</u>		Submission of Exh. 12 (CD-ROM) to the <u>608</u> Decl. of Adam J. LaVier <u>605</u> ISO Qwest's Motion for Summary Judgment of Invalidity, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (TRG) (Entered: 04/17/2009)
04/17/2009	<u>631</u>	 39.67KB	Amended MOTION to Seal Document <u>601</u> SEALED Memorandum in Support, <u>603</u> SEALED Exhibit, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 4/20/2009 (TRG). (Entered: 04/17/2009)
04/17/2009	<u>632</u>	 40.88KB	Amended MOTION to Seal Document <u>620</u> SEALED Declaration of Venkat Ashok, <u>618</u> SEALED Memorandum in Support, <u>621</u> SEALED Exhibits, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 4/20/2009 (TRG). (Entered: 04/17/2009)
04/17/2009	<u>633</u>	 93.88KB	ORDER granting <u>615</u> Motion to Seal Document <u>614</u> SEALED Memorandum in Support. Signed by Judge Larry J. McKinney on 4/17/2009. (TRG) (Entered: 04/20/2009)
04/17/2009	<u>634</u>	 93.28KB	ORDER granting <u>628</u> Motion to Seal Documents <u>623</u> SEALED Brief in Support, <u>626</u> SEALED Exhibits, <u>627</u> SEALED Exhibits, <u>625</u> SEALED Exhibits, <u>624</u> SEALED Exhibits. Signed by Judge Larry J. McKinney on 4/17/2009. (TRG) (Entered: 04/20/2009)
04/17/2009	<u>635</u>	 33.43KB	ORDER granting <u>610</u> Motion to Seal Documents <u>609</u> SEALED Exhibits, <u>607</u> SEALED Exhibits, <u>606</u> SEALED Brief in Support. Signed by Judge Larry J. McKinney on 4/17/2009. (TRG) (Entered: 04/20/2009)







			04/20/2009)
04/23/2009	<u>636</u>	 34.45KB	ORDER granting <u>631</u> Motion to Seal Document <u>601</u> SEALED Memorandum in Support and <u>603</u> SEALED Exhibits. Signed by Judge Larry J. McKinney on 4/23/2009. (TRG) (Entered: 04/23/2009)
04/23/2009	<u>637</u>	 34.27KB	ORDER granting <u>632</u> Motion to Seal Documents <u>620</u> SEALED Declaration of Venkat Ashok, <u>618</u> SEALED Memorandum in Support, and <u>621</u> SEALED Exhibits. Signed by Judge Larry J. McKinney on 4/23/2009. (TRG) (Entered: 04/23/2009)
04/30/2009	<u>638</u>	 76.89KB	RESPONSE to Motion re <u>597</u> MOTION to Dismiss <i>Consolidated Plaintiffs Qwest Corp. and Qwest Communications Corp.'s Motion to Dismiss CTI Group's Counterclaim and Request to Voluntarily Dismiss Their Claims against CTI Group Holdings</i> , filed by Counter Claimant CITI GROUP (HOLDINGS) INC., Consol Defendant CITI GROUP (HOLDINGS) INC.. (Fowler, Phillip) (Entered: 04/30/2009)
05/01/2009	<u>639</u>	 28.78KB	ORDER - Granting <u>597</u> MOTION to Dismiss CTI Group's Counterclaim and Request to Voluntarily Dismiss Their Claims against CTI Group Holdings. CTIG's counterclaims against Qwest shall be dismissed, and upon such dismissal, Qwest's claims for declaratory relief against CTIG shall also be dismissed. Signed by Judge Larry J. McKinney on 5/1/2009.(TRG) (Entered: 05/01/2009)
05/14/2009	<u>640</u>		***SEALED PURSUANT TO ORDER <u>649</u> DATED 5/15/2009*** SEALED Qwest's Response in Opposition to Centillion's <u>613</u> Motion for Partial Summary Judgment That None Of The Claims Of The '270 Patent Is Anticipated By COBRA Or TRACE, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>641</u>	 63.40KB	DECLARATION of Adam J. LaVier in support re <u>640</u> SEALED Response in Opposition to <u>613</u> Centillion's Motion for Partial Summary Judgment That None of the Claims of the '270 Patent is Anticipated by COBRA or TRACE. (Attachments: # <u>1</u> Exhibit D to LaVier Decl. - Article by Bruce Gates "Monitoring System to help firm control phone costs")(Belusko, Vincent) Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>642</u>		***SEALED PURSUANT TO ORDER <u>649</u> DATED 5/15/2009*** SEALED Exhibits to the <u>641</u> Declaration of Adam J. LaVier re <u>640</u> SEALED Response in Opposition to Centillion's <u>613</u> Motion for Partial Summary Judgment That None Of The Claims Of The '270 Patent Is Anticipated By COBRA Or TRACE. (Attachments: # <u>1</u> Exhibit A to LaVier Decl. - Bruce Whitman Depo. Excerpts, 2/11/2009, # <u>2</u> Exhibit B to LaVier Decl. - James Coyle Depo. Excerpts, 12/11/2008, # <u>3</u> Exhibit C to LaVier Decl. - Ed Varley Depo. Excerpts, 12/15/2008, # <u>4</u> Exhibit E to Lavier Decl. - Michael








			Graves Depo. Excerpts, 12/9/2008, # <u>5</u> Exhibit F to LaVier Decl. - Michael Graves Depo. Excerpts, 11/24/2008, # <u>6</u> Exhibit G to LaVier Decl. - Subcontract Agmnt. betw. Brandon Consulting and Michael Graves, 11/3/1986, # <u>7</u> Exhibit H to LaVier Decl. - Michael Graves Depo. Excerpts, Vol. 2, 12/9/2008)(Belusko, Vincent) Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>643</u>	 25.53KB	MOTION to Seal Document <u>640</u> SEALED Qwest's Response in Opposition to Centillion's <u>613</u> Motion for Partial Summary Judgment That None Of The Claims Of The '270 Patent Is Anticipated By COBRA Or TRACE, filed by Defendant QWEST and <u>642</u> SEALED Exhibits to the <u>641</u> Declaration of Adam J. LaVier, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>644</u>		***SEALED PURSUANT TO ORDER <u>650</u> DATED 5/15/2009*** SEALED Qwest's Response in Opposition to <u>616</u> Centillion's Motion for Partial Summary Judgment of Infringement, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>645</u>	 13.14KB	DECLARATION of E. Dale Buxton II re <u>644</u> ISO Qwest's Response in Opposition to <u>616</u> Centillion's Motion for Partial Summary Judgment of Infringement by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>646</u>		***SEALED PURSUANT TO <u>650</u> ORDER DATED 5/15/2009*** SEALED Declaration of Venkat Ashok re <u>644</u> SEALED Response in Opposition to Centillion's Motion for Partial Summary Judgment of Infringement, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>647</u>		***SEALED PURSUANT TO <u>650</u> ORDER DATED 5/15/2009*** SEALED Exhibits re <u>645</u> Declaration of E. Dale Buxton II re <u>644</u> SEALED Qwest's Response in Opposition to <u>616</u> Centillion's Motion for Partial Summary Judgment of Infringement, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1, Part 1, to Buxton Decl. - Brad Walton Depo. Excerpts, 3/20/2009, # <u>2</u> Exhibit 1, Part 2, to Buxton Decl. - Brad Walton Depo. Excerpts, 3/20/2009, # <u>3</u> Exhibit 2 to Buxton Decl. - eBill Companion FAQ, # <u>4</u> Exhibit 3 to Buxton Decl. - Venkat Ashok Depo. Excerpts, 11/19, 20, and 21,2008, # <u>5</u> Exhibit 4 to Buxton Decl.- Jack Grimes Depo. Excerpts, 3/13/2009, # <u>6</u> Exhibit 5 to Buxton Decl. - Email from R.




			Groves to T. Logan and J. Whitaker, # <u>7</u> Exhibit 6 to Buxton Decl. - eBC Data File Layout (QCC-1565582-5590), # <u>8</u> Exhibit 7 to Buxton Decl. - Centillion's Suppl. Answers to QCC Rgs 1-21, # <u>9</u> Exhibit 8 to Buxton Decl. - Expert Report of Jack Grimes with attached Exh. 2, # <u>10</u> Exhibit 9 to Buxton Decl. - Venkat Ashok Depo. Excerpts, 4/26/2006, # <u>11</u> Exhibit 10, Part 1, to Buxton Decl. - Prior Art Cited on '270 Patent (multiple QCC documents), # <u>12</u> Exhibit 10, Part 2, to Buxton Decl. - Prior Art Cited on '270 Patent (multiple QCC documents).pdf, # <u>13</u> Exhibit 11 to Buxton Decl. - Decl. of Daniel Briere and July 6, 1993 Amendment, # <u>14</u> Exhibit 12 to Buxton Decl. - Expert Rebuttal Report of Brad Walton, page 22)(Belusko, Vincent) Modified on 5/15/2009 (TRG). Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/14/2009	<u>648</u>	 29.99KB	MOTION to Seal Documents <u>647</u> SEALED Exhibits to the Declaration of E. Dale Buxton II, <u>644</u> SEALED Qwest's Response in Opposition to <u>616</u> Centillion's Motion for Partial Summary Judgment of Infringement, and <u>646</u> SEALED Declaration of Venkat Ashok, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) Modified on 5/15/2009 (TRG). (Entered: 05/14/2009)
05/15/2009	<u>649</u>	 31.02KB	ORDER granting <u>643</u> Motion to Seal Document - <u>640</u> SEALED Qwest's Response in Opposition to Centillion's <u>613</u> Motion for Partial Summary Judgment That None Of The Claims Of The '270 Patent Is Anticipated By COBRA Or TRACE and <u>642</u> SEALED Exhibits to <u>641</u> Declaration of Adam J. LaVier are hereby SEALED. Signed by Judge Larry J. McKinney on 5/15/2009. (TRG) Modified on 5/15/2009 (TRG). (Entered: 05/15/2009)
05/15/2009	<u>650</u>	 30.80KB	ORDER granting <u>648</u> Motion to Seal Document - <u>647</u> SEALED Exhibits re <u>645</u> Declaration of E. Dale Buxton II, <u>644</u> SEALED Qwest's Response in Opposition to <u>616</u> Centillion's Motion for Partial Summary Judgment of Infringement, and <u>646</u> SEALED Declaration of Venkat Ashok are hereby SEALED. Signed by Judge Larry J. McKinney on 5/15/2009. (TRG) (Entered: 05/15/2009)
05/18/2009	<u>651</u>		***SEALED PURSUANT TO ORDER <u>661</u> DATED 5/19/2009*** SEALED RESPONSE in Opposition re <u>600</u> MOTION for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Networx Applications Per 28 U.S.C. Section 1498, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit B -- 3.10 Billing (L.34.2.3.10; M.3.1), dated December 13, 2006, # <u>2</u> Exhibit C -- 3.10 Billing (L.34.2.3.10; M.3.1), dated March 5, 2007, # <u>3</u> Exhibit N -- Draft Networx bid proposal (QCC-384744 - QCC 384783), # <u>4</u> Exhibit O -- E-mail dated November 14, 2005 with attachment(QCC-508026-87; QCC-598059-61), # <u>5</u> Exhibit P -- September 21, 2007 letter from Peter Weissman to E. Dale Buxton







			with Infringement Claim Chart, # 6 Exhibit Q -- June 6, 2008 Claim Chart - U.S. Patent No. 5,287,270)(Fowler, Phillip) Modified on 5/19/2009 (TRG). Modified on 5/21/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>652</u>	 154.72KB	MOTION to Seal Document <u>651</u> Response in Opposition to Motion <i>and Certain Exhibits</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 05/18/2009)
05/18/2009	<u>653</u>	 9.22MB	EXHIBIT in Support of <u>651</u> Response in Opposition to Motion re <u>600</u> MOTION for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Networx Applications Per 28 U.S.C. Section 1498 (Part 1), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Networx Website, # <u>2</u> Exhibit D -- Qwest news release, # <u>3</u> Exhibit E -- Letter from Buxton to Weissman, July 27, 2007, # <u>4</u> Exhibit F -- Indiana Tariff, # <u>5</u> Exhibit G -- Qwest news release, # <u>6</u> Exhibit H -- Qwest news release, # <u>7</u> Exhibit I -- Excerpts from 2004 Annual Report, # <u>8</u> Exhibit J -- 2005 Annual Report, # <u>9</u> Exhibit K -- Excerpts from 2006 Annual Report, # <u>10</u> Exhibit L -- Excerpts from 2007 Annual Report) (Fowler, Phillip) Modified on 5/19/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>654</u>	 3.15MB	EXHIBIT in Support of <u>651</u> Response in Opposition to Motion re <u>600</u> MOTION for Partial Summary Judgment to Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Networx Applications Per 28 U.S.C. Section 1498 (Part 2), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit M -- Excerpts from 2008 Annual Report, # <u>2</u> Exhibit R -- Letter from White to Buxton, dated January 6, 2009)(Fowler, Phillip) Modified on 5/19/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>655</u>		***SEALED PURSUANT TO ORDER <u>662</u> DATED 5/19/2009*** SEALED RESPONSE re <u>617</u> MOTION for Summary Judgment <i>Qwest's Motion for Summary Judgment of Noninfringement (OPPOSITION)</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A-1 -- Reply Expert Report of Jack D. Grimes, Ph.D., # <u>2</u> Exhibit A-2 -- eBC Infringement Analysis, # <u>3</u> Exhibit B -- Depo. of Ashook Venkat (April 26, 2006), # <u>4</u> Exhibit C -- eBill Companion Memo. to Logic Customers, # <u>5</u> Exhibit D -- Depo. of Ashook Venkat (March 1, 2007), # <u>6</u> Exhibit E -- Plf's Supp. Answer to Interrog. No. 16, # <u>7</u> Exhibit F-1 -- Qwest Alternative Media Support Group Training Manual, # <u>8</u> Cover Sheet for Sealed Document F-2 -- Qwest Alternative Media Support Group Training Manual, # <u>9</u> Exhibit F-3 -- Qwest Alternative Media Support Group Training Manual, # <u>10</u> Exhibit H -- Qwest eBill Companion, Feb. 2003, # <u>11</u> Exhibit I-1 -- Qwest eBill Companion 1.0 User Manual, Aug. 2002, # <u>12</u> Exhibit I-2 -- Qwest eBill








			Companion 1.0 User Manual, Aug. 2002, # <u>13</u> Cover Sheet for Sealed Document J-1 -- Qwest eBill Companion 1.0 User Manual, Feb. 2004, # <u>14</u> Exhibit J-2 -- Qwest eBill Companion 1.0 User Manual, Feb. 2004, # <u>15</u> Exhibit K-1 -- Response to Mississippi Department of Information Technology Services, # <u>16</u> Exhibit K-2 -- Response to Mississippi Department of Information Technology Services, # <u>17</u> Exhibit L -- E-Mail from Reid Hinson to EBC Help, Jan. 19, 2005, # <u>18</u> Exhibit M -- QCC RDF Development, Statement of Work for RDF Development, # <u>19</u> Exhibit N -- Update and Changes Found in eBill Companion Compared to Logic 2.0, # <u>20</u> Exhibit O -- Qwest eBill Companion Technical Documentation, # <u>21</u> Exhibit P -- Depo. of Venkat Ashok (Nov. 19, 2008))(Fowler, Phillip) Modified on 5/21/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>656</u>	 149.56KB	MOTION to Seal Document <u>655</u> SEALED Response to Motion and Exhibits, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/18/2009)
05/18/2009	<u>657</u>	 2.63MB	EXHIBIT in Support of <u>655</u> Response in Opposition to Motion re <u>617</u> MOTION for Summary Judgment <i>Qwest's Motion for Summary Judgment of Noninfringement</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit G -- Qwest 2008 Annual Report)(Fowler, Phillip) Modified on 5/19/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>658</u>	 148.59KB	MOTION to File Oversized Brief, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 05/18/2009)
05/18/2009	<u>659</u>		***SEALED PURSUANT TO ORDER <u>664</u> DATED 5/19/2009*** SEALED RESPONSE re <u>605</u> MOTION for Summary Judgment <i>Qwest's Motion for Summary Judgment of Invalidity of the '270 Patent (Opposition)</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Depo. Of Michael Graves (Nov. 24, 2008), # <u>2</u> Exhibit B -- Depo. Of Bruce Whitman (Feb. 11, 2009), # <u>3</u> Exhibit C -- Depo. Of James P. Coyle (Dec. 11, 2008), # <u>4</u> Exhibit D -- Depo. Of Ed Varley (Dec. 15, 2008), # <u>5</u> Exhibit E -- Declaration of Jack D. Grimes Ph.D., # <u>6</u> Exhibit F -- Letter from Buxton to White (October 15, 2008), # <u>7</u> Exhibit G -- Email from Khoo to LaVier (October 13, 2008), # <u>8</u> Exhibit H -- Email from LaVier to Khoo (October 14, 2008), # <u>9</u> Exhibit I -- Email from Khoo to LaVier (October 15, 2008), # <u>10</u> Exhibit J -- Memo to File re COBRA Distribution System Users Guide)(Fowler, Phillip) Modified on 5/21/2009 (TRG). (Entered: 05/18/2009)
05/18/2009	<u>660</u>	 149.21KB	MOTION to Seal Document <u>659</u> SEALED Response to Motion and Exhibits, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/18/2009)
05/19/2009	<u>661</u>		ORDER granting <u>652</u> Motion to Seal Document <u>651</u> Response in









		 95.64KB	Opposition to Motion. Signed by Judge Larry J. McKinney on 5/19/2009. (TRG) (Entered: 05/21/2009)
05/19/2009	<u>662</u>	 93.18KB	ORDER granting <u>656</u> Motion to Seal Document <u>655</u> SEALED Response to Motion. Signed by Judge Larry J. McKinney on 5/19/2009. (TRG) (Entered: 05/21/2009)
05/19/2009	<u>663</u>	 91.89KB	ORDER granting <u>658</u> Motion to file Oversized Brief. Centillion is granted leave to file the oversized Brief in Opposition to Qwest's Motion for Summary Judgment of Invalidity submitted to the Court on 5/18/2009, and that said Brief is deemed filed as of that date. Signed by Judge Larry J. McKinney on 5/19/2009. (TRG) (Entered: 05/21/2009)
05/19/2009	<u>664</u>	 92.84KB	ORDER granting <u>660</u> Motion to Seal Document <u>659</u> SEALED Response to Motion. Signed by Judge Larry J. McKinney on 5/19/2009. (TRG) (Entered: 05/21/2009)
05/29/2009	<u>665</u>		***SEALED PURSUANT TO ORDER <u>671</u> *** SEALED <i>Reply Memorandum</i> , re <u>613</u> Motion for Partial Summary Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 21 (Rebuttal Expert Report of Jack D. Grimes - 2/25/09), # <u>2</u> Exhibit 22 (Excerpt from Walton Depo. - 3/20/09))(Fowler, Phillip) Modified on 6/2/2009 (TRG). (Entered: 05/29/2009)
05/29/2009	<u>666</u>	 48.94KB	MOTION to Seal Document <u>665</u> SEALED Document (<i>Reply Memorandum and Exhibits</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 05/29/2009)
05/29/2009	<u>667</u>		***SEALED PURSUANT TO ORDER <u>672</u> *** SEALED <i>Motion to Sever and Stay Trial of Patent Infringement Claims Based on the Accused Network Applications</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) Modified on 6/2/2009 (TRG). Modified on 6/2/2009 (TRG). (Entered: 05/29/2009)
05/29/2009	<u>668</u>	 48.07KB	MOTION to Seal Document <u>667</u> SEALED Document (<i>Motion to Sever-Stay</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/29/2009)
05/29/2009	<u>669</u>		**ORDER SEALED PER <u>673</u> **SEALED <i>Reply Brief</i> , re <u>616</u> Motion for Partial Summary Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 37 (Qwest Comm Corp.s 10th Supp. Resp. to Pls. 1st Interrogs., Ex. A), # (2) Exhibit 38 (Resp. to Req. for Proposal from Miss. Dept of Info. Tech. Servs. 8/9/05), # (3) Exhibit 39 (Statement of Work for County of Los Angeles - 1/18/05), # (4) Exhibit 40 (E-Mail chain Oct.-Nov. 2003), # (5) Exhibit 41 (E-Mail chain Apr. 2003), # (6) Exhibit 42 (Billing Tools Consolidation Program Status - 3/27/02), # (7) Exhibit 43 (E-Mail chain re: Converse College - 2/3/03), # (8) Exhibit 44, Part 1 (Coll. of ltrs to Logic users regarding transition to









			eBC), # (9) Exhibit 44, Part 2 (Coll. of ltrs to Logic users regarding transition to eBC), # (10) Exhibit 45 (Letter to Walgreens), # (11) Exhibit 46 (E-Mail from John J. Press - 10/8/02), # (12) Exhibit 47 (QCC 11th Supp. Resp. to Pltf 1st Interrogs. No. 15 - 10/3/08)) (Fowler, Phillip) Modified on 6/2/2009 (MAC). (Entered: 05/29/2009)
05/29/2009	<u>670</u>	 48.27KB	MOTION to Seal Document <u>669</u> SEALED Document (<i>Reply Brief & Exhibits</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/29/2009)
06/02/2009	<u>671</u>	 48.74KB	ORDER granting <u>666</u> Motion to Seal Document <u>665</u> SEALED Reply. Court shall maintain such documents under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 6/2/2009. (TRG) (Entered: 06/02/2009)
06/02/2009	<u>672</u>	 48.45KB	ORDER granting <u>668</u> Motion to Seal Document <u>667</u> SEALED MOTION to Sever and Stay Trial of Patent Infringement Claims Based on the Accused Network Applications. Court shall maintain such documents under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 6/2/2009. (TRG) (Entered: 06/02/2009)
06/02/2009	<u>673</u>	 49.15KB	ORDER granting <u>670</u> Motion to Seal Document <u>669</u> SEALED Document. Signed by Judge Larry J. McKinney on 6/2/2009. (MAC) (Entered: 06/02/2009)
06/04/2009	<u>674</u>	 7.82KB	MOTION to Withdraw as Attorney (<i>Adam J. LaVier</i>), filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 06/04/2009)
06/05/2009	<u>675</u>	 62.40KB	ORDER granting in part <u>538</u> Plaintiff Centillion Data Systems, LLCs Motion to Strike the Deposition Testimony of Michael Graves or, in the Alternative, to Compel Discovery; and denying <u>560</u> Motion for Hearing. (See Order) Signed by Magistrate Judge Debra McVicker Lynch on 6/5/2009. (TMA) (Entered: 06/05/2009)
06/05/2009	<u>676</u>		**SEALED PURSUANT TO ORDER <u>689</u> **SEALED REPLY in support of Motion re <u>617</u> MOTION for Summary Judgment <i>Qwest's Motion for Summary Judgment of Noninfringement</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 6/8/2009 (MAC). (Entered: 06/05/2009)
06/05/2009	<u>677</u>	 23.50KB	MOTION to Seal Document <u>676</u> SEALED Reply in support of <u>617</u> Motion, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) Modified on 6/11/2009 (TRG). (Entered: 06/05/2009)









06/05/2009	<u>678</u>		**SEALED PURSUANT TO ORDER <u>690</u> **SEALED REPLY in support of Motion re <u>600</u> MOTION for Partial Summary Judgment to <i>Bar Centillion Data Systems, LLC and CTI Group (Holdings), Inc.'s Patent Infringement Claims Based on the Accused Network Applications Per 28 U.S.C. Section 1498</i> , filed by Defendant QWEST. (Belusko, Vincent) Modified on 6/8/2009 (MAC). (Entered: 06/05/2009)
06/05/2009	<u>679</u>	 298.90KB	DECLARATION of J. Manena Bishop <i>in Support of re 678 SEALED Reply in support of 600 Motion by QWEST. (Attachments: # 1 Exhibit A - Code of Federal Regulations at 48 C.F.R. sect. 2.201, # 2 Exhibit B - IRS News Release dated September 24, 2007)</i> (Belusko, Vincent) Modified on 6/11/2009 (TRG). (Entered: 06/05/2009)
06/05/2009	<u>680</u>		**SEALED PURSUANT TO ORDER <u>690</u> **SEALED Declaration of E. Dale Buxton, II in Support of <u>678</u> SEALED Reply in support of <u>600</u> Motion, filed by Defendant QWEST. (Belusko, Vincent) Modified on 6/8/2009 (MAC). Modified on 6/11/2009 (TRG). (Entered: 06/05/2009)
06/05/2009	<u>681</u>		**SEALED PURSUANT TO ORDER <u>690</u> **SEALED Declaration of R. Rucker in Support of re <u>678</u> SEALED Reply in support of <u>600</u> Motion, filed by Defendant QWEST. (Belusko, Vincent) Modified on 6/8/2009 (MAC). Modified on 6/11/2009 (TRG). (Entered: 06/05/2009)
06/05/2009	<u>682</u>		**SEALED PURSUANT TO ORDER <u>690</u> **SEALED Declaration of V. Ashok in Support of <u>678</u> SEALED Reply in support of <u>600</u> Motion, filed by efendant QWEST. (Belusko, Vincent) Modified on 6/8/2009 (MAC). Modified on 6/11/2009 (TRG). (Entered: 06/05/2009)
06/05/2009	<u>683</u>	 35.11KB	MOTION to Seal Document <u>678</u> SEALED Reply in support of Motion, <u>680</u> SEALED Document, <u>681</u> SEALED Document, <u>682</u> SEALED Document, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 06/05/2009)
06/05/2009	<u>684</u>		**SEALED PURSUANT TO ORDER <u>691</u> **SEALED REPLY in support of Motion re <u>605</u> MOTION for Summary Judgment <i>Qwest's Motion for Summary Judgment of Invalidity of the '270 Patent</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 6/8/2009 (MAC). (Entered: 06/05/2009)
06/05/2009	<u>688</u>	 27.92KB	ORDER granting <u>674</u> Motion to Withdraw as Attorney. Attorney Adam J. LaVier withdrawn as of the date of this order Signed by Judge Larry J. McKinney on 6/5/2009. (CBU) (Entered: 06/08/2009)
06/06/2009	<u>685</u>		**SEALED PURSUANT TO ORDER <u>691</u> **SEALED <i>Exhibits to the Declaration of Dale Buxton ISO Reply re Motion for Summary Judgment of Invalidity</i> , re <u>605</u> Motion for Summary Judgment, <u>684</u> SEALED Reply in support of Motion, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST








			COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A to Buxton Decl. - Graves Depo Excerpts, 11/24/2008, # <u>2</u> Exhibit B to Buxton Decl. - Graves Depo Excerpts, 12/9/2008, # <u>3</u> Exhibit C to Buxton Decl. - Whitman Depo Excerpts, 2/11/2009, # <u>4</u> Exhibit D to Buxton Decl. - Coyle Depo Excerpts, 12/11/2008, # <u>5</u> Exhibit E to Buxton Decl. - Varley Depo Excerpts, 12/15/2008)(Belusko, Vincent) Modified on 6/8/2009 (MAC). (Entered: 06/06/2009)
06/06/2009	<u>686</u>	 2.44MB	DECLARATION of E. Dale Buxton II <i>ISO Reply re Motion for Summary Judgment of Invalidity</i> re <u>605</u> Motion for Summary Judgment, <u>684</u> SEALED Reply in support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit F to Buxton Decl - Ltr from LaVier to M. White, 12/23/2008, # <u>2</u> Exhibit G to Buxton Decl. - Letter from D. Fletcher to E. Ngo, 11/7/2008, # <u>3</u> Exhibit H to Buxton Decl. - Exh 10 to Whitman Depo., 2/11/2009, # <u>4</u> Exhibit I to Buxton Decl. - Exh 10 to Whitman Deposition (New England), 2/11/2009, # <u>5</u> Exhibit J to Buxton Decl. - Decl. of C. Khoo re Docs Produced by Verizon, 12/23/2008)(Belusko, Vincent) (Entered: 06/06/2009)
06/06/2009	<u>687</u>	 26.33KB	MOTION to Seal Document <u>684</u> SEALED Reply in support of Motion, <u>685</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 06/06/2009)
06/08/2009	<u>689</u>	 31.87KB	ORDER granting <u>677</u> Motion to Seal Document <u>676</u> SEALED Reply in support of Motion. Signed by Judge Larry J. McKinney on 6/8/2009. (MAC) (Entered: 06/08/2009)
06/08/2009	<u>690</u>	 34.35KB	ORDER granting <u>683</u> Motion to Seal Document <u>678</u> SEALED Reply in support of Motion, <u>680</u> SEALED Document, <u>681</u> SEALED Document, <u>682</u> SEALED Document. Signed by Judge Larry J. McKinney on 6/8/2009. (MAC) (Entered: 06/08/2009)
06/08/2009	<u>691</u>	 32.75KB	ORDER granting <u>687</u> Motion to Seal Document <u>684</u> SEALED Reply in support of Motion, <u>685</u> SEALED Document. Signed by Judge Larry J. McKinney on 6/8/2009. (MAC) (Entered: 06/08/2009)
06/15/2009	<u>692</u>		***SEALED PURSUANT TO ORDER DATED 6/16/2009*** SEALED <i>Sur-Reply in Opposition</i> , re <u>600</u> Motion for Partial Summary Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit S (Qwest's Response to Plaintiff's 4th Requests for Production), # <u>2</u> Exhibit T (Qwest's Response to Plaintiff's 5th Requests for Production))(Fowler, Phillip) Modified on 6/17/2009 (TRG). (Entered: 06/15/2009)
06/15/2009	<u>693</u>	 49.18KB	MOTION to Seal Document <u>692</u> SEALED Document (<i>Sur-Reply in Opposition</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 06/15/2009)







06/15/2009	<u>694</u>		***SEALED PURSUANT TO ORDER DATED 6/16/2009*** SEALED <i>Sur-Reply in Opposition</i> , re <u>605</u> Motion for Summary Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit K (Declaration of Nirav N. Desai)) (Fowler, Phillip) Modified on 6/17/2009 (TRG). (Entered: 06/15/2009)
06/15/2009	<u>695</u>	 47.62KB	MOTION to Seal Document <u>694</u> SEALED Document (<i>Sur-reply in Opposition</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 06/15/2009)
06/16/2009	<u>696</u>	 115.44KB	REQUEST for Approval to Provide Michael Graves With Independent Counsel in Connection with His Deposition in This Action, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit A - June 10 Letter from M. White to D. Buxton, # <u>2</u> Exhibit B - June 10 Letter from M. White to M. Carlson, # <u>3</u> Exhibit C - June 11 Letter from D. Buxton to M. White)(Belusko, Vincent) Modified on 6/17/2009 (TRG). (Entered: 06/16/2009)
06/16/2009	<u>697</u>	 48.88KB	ORDER granting <u>693</u> Motion to Seal Document <u>692</u> SEALED Document. The Court shall maintain such document under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 6/16/2009. (TRG) (Entered: 06/17/2009)
06/16/2009	<u>698</u>	 48.00KB	ORDER granting <u>695</u> Motion to Seal Document <u>694</u> SEALED Document. The Court shall maintain such document under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 6/16/2009. (TRG) (Entered: 06/17/2009)
06/17/2009	<u>699</u>	 89.04KB	RESPONSE in Opposition re <u>696</u> MOTION <i>Qwest's Request for Approval to Provide Michael Graves with Independent Counsel in Connection with his Deposition in this Action</i> , filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 06/17/2009)
06/18/2009	<u>700</u>	 32.64KB	SCHEDULING ORDER: Pretrial Conference set for 7/21/2009 01:30 PM in room #316 before Magistrate Judge Debra McVicker Lynch. Signed by Magistrate Judge Debra McVicker Lynch on 6/18/2009. c/m (TMA) (Entered: 06/18/2009)
06/18/2009	<u>701</u>	 90.84KB	CERTIFICATE OF SERVICE by CENTILLION DATA SYSTEMS, LLC, CENTILLION DATA SYSTEMS, LLC re <u>699</u> Response in Opposition to Motion <i>Centillion's Opposition to Qwest's Request for Approval to Provide Michael Graves with Independent Counsel in Connection with his Deposition in this Action</i> (Fowler, Phillip) (Entered: 06/18/2009)
06/18/2009	<u>702</u>		***SEALED PURSUANT TO ORDER DATED 6/23/09*** SEALED <i>Qwest's Opposition to Centillion's Motion to Sever and</i>










			<i>Stay Trial of Its Patent Infringement Claims Based on the Accused Network Applications</i> , re <u>667</u> SEALED Motion, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 6/23/2009 (TRG). (Entered: 06/18/2009)
06/18/2009	<u>703</u>	 23.36KB	MOTION to Seal Document <u>702</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 06/18/2009)
06/22/2009	<u>704</u>	 16.41KB	REPLY in support of <u>696</u> ISO Request for Approval to Provide Michael Graves with Independent Counsel in Connection With His Deposition in this Action, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 6/23/2009 (TRG). (Entered: 06/22/2009)
06/22/2009	<u>705</u>	 35.80KB	ORDER denying <u>696</u> Request to Provide Michael Graves with Independent Counsel for His Deposition. (See Order.) Signed by Magistrate Judge Debra McVicker Lynch on 6/22/2009. (LH) (Entered: 06/22/2009)
06/22/2009	<u>706</u>	 32.75KB	OBJECTION to June 5, 2009 <u>675</u> Order on Centillion's Motion to Strike the Deposition Testimony of Michael Graves Or, In the Alternative, To Compel Discovery, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 6/23/2009 (TRG). (Entered: 06/22/2009)
06/23/2009	<u>707</u>	 30.12KB	ORDER granting <u>703</u> Motion to Seal Document <u>702</u> SEALED Document. The Court shall maintain such documents under seal until further order of the Court. Signed by Judge Larry J. McKinney on 6/23/2009. (TRG) (Entered: 06/23/2009)
06/23/2009	<u>708</u>	 105.83KB	MOTION for Extension of Time to 3 days after the Court issues its ruling on Qwest's Objections to the Court's Order of June 5, 2009, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 06/23/2009)
06/24/2009	<u>709</u>	 77.63KB	NOTICE OF INTENTION TO SUBMIT RESPONSE TO QWEST'S OBJECTIONS TO JUNE 5, 2009 ORDER, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, re <u>706</u> Submission, <u>675</u> Order on Sealed MotionOrder on Motion. (Fowler, Phillip) (Entered: 06/24/2009)
06/24/2009	<u>710</u>	 77.26KB	RESPONSE in Opposition re <u>708</u> MOTION for Extension of Time to 3 days after the Court issues its ruling on Qwest's Objections to the Court's Order of June 5, 2009, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 06/24/2009)










06/24/2009	<u>711</u>	 14.41KB	REPLY in Support of Motion re <u>708</u> MOTION for Extension of Time to 3 days after the Court issues its ruling on Qwest's Objections to the Court's Order of June 5, 2009, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 06/24/2009)
06/25/2009	<u>712</u>	 370.76KB	ORDER granting <u>708</u> Motion for Extension of Time to File. Court hereby extends the June 25, 2009 deadline for the Submission of Qwest's report on its election with respect to its use of Michael Graves until 3 days after the Court issues its ruling on Qwest's Objections to the Court's Order of June 5, 2009. Signed by Judge Larry J. McKinney on 6/25/2009. (TRG) (Entered: 06/25/2009)
06/26/2009	<u>713</u>		***SEALED PURSUANT TO ORDER DATED 6/29/2009***SEALED REPLY in support of Motion re <u>667</u> SEALED MOTION to Sever/Stay, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 6/29/2009 (TRG). (Entered: 06/26/2009)
06/26/2009	<u>714</u>	 47.98KB	MOTION to Seal Document <u>713</u> SEALED Reply in support of Motion (Sever/Stay), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 06/26/2009)
06/29/2009	<u>715</u>	 48.78KB	ORDER granting <u>714</u> Motion to Seal Document <u>713</u> SEALED Reply in support of Motion. The Court shall maintain such document under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 6/29/2009. (TRG) (Entered: 06/29/2009)
07/01/2009	<u>716</u>	 30.02KB	SCHEDULING ORDER: The Court, on its own motion, hereby schedules a Telephonic Status Conference for FRIDAY, JULY 10, 2009, AT 3:30 P.M., EST. Counsel for Plaintiff shall arrange the conference call and have all parties on the line prior to calling the Court. Signed by Judge Larry J. McKinney on 7/1/2009.(TRG) (Entered: 07/01/2009)
07/01/2009	<u>717</u>	 126.29KB	MOTION to Withdraw as Attorney (Denise Lane), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 07/01/2009)
07/02/2009	<u>718</u>	 31.14KB	ORDER vacating July 21, 2009 pretrial conference with magistrate judge. Signed by Magistrate Judge Debra McVicker Lynch on 7/2/2009.(LH) (Entered: 07/02/2009)
07/02/2009	<u>719</u>		SEALED Response to Qwest's Objections to June 5, 2009 Order, re <u>709</u> Notice (Other), <u>710</u> Response in Opposition to Motion, <u>706</u> Submission, <u>675</u> Order on Sealed MotionOrder on Motion, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 07/02/2009)
07/02/2009	<u>720</u>		MOTION to Seal Document <u>719</u> SEALED Document Response to Qwest's Objections to the Magistrate's June 5, 2009 Order, filed by






		138.26KB	Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 07/02/2009)
07/02/2009	<u>721</u>	 31.75KB	MOTION to Strike <u>694</u> SEALED Document <i>Centillion's Sur-reply In Opposition to Qwest's Motion for Summary Judgment of Invalidity Based on the Prior Art COBRA/TRACE System</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 07/02/2009)
07/07/2009	<u>722</u>	 83.01KB	ORDER granting <u>720</u> Motion to Seal Document <u>719</u> SEALED Document. Court shall maintain such document under seal until further Order of the Court. Signed by Judge Larry J. McKinney on 7/7/2009. (TRG) (Entered: 07/07/2009)
07/07/2009	<u>723</u>	 119.29KB	ORDER granting <u>717</u> Motion to Withdraw as Attorney. Attorney Denise Catherine Lane-White withdrawn as counsel for Centillion Data Systems, LLC. Signed by Judge Larry J. McKinney on 7/7/2009. (TRG) (Entered: 07/07/2009)
07/07/2009	<u>724</u>		**ORDERED SEAL PER ORDER <u>727</u> *** SEALED <i>Opposition to Qwest's Motion to Strike Portions of Centillion's Sur-Reply</i> , re <u>721</u> Motion to Strike, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 7/9/2009 (MAC). (Entered: 07/07/2009)
07/07/2009	<u>725</u>	 136.25KB	MOTION to Seal Document <u>724</u> SEALED Document <i>Centillion's Opposition to Qwest's Motion to Strike Portions of Sur-Reply</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 07/07/2009)
07/07/2009	<u>726</u>	 31.75KB	SCHEDULING ORDER: Status Conference set for 7/10/2009 is VACATED. Telephonic Status Conference RESET for 7/17/2009 at 10:00 AM before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 7/7/2009.(TRG) (Entered: 07/07/2009)
07/08/2009	<u>727</u>	 83.43KB	ORDER granting <u>725</u> Motion to Seal Document <u>724</u> SEALED Document. Signed by Judge Larry J. McKinney on 7/8/2009. (MAC) (Entered: 07/09/2009)
07/10/2009	<u>728</u>	 65.96KB	Submission <i>Qwest's Consolidated Objections to 705 June 22, 2009 Order Denying Request to Provide M. Graves with Independent Counsel, and Reply ISO Qwest's Objections to June 5, 2009 Order on Centillion's Motion to Strike the Depo. Testimony of M. Graves</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 7/31/2009 (TRG). (Entered: 07/10/2009)
07/16/2009	<u>729</u>	 101.88KB	RESPONSE in Opposition to <i>Qwest's Objections to the Magistrate's June 22, 2009 Order</i> , filed by Counter Claimant CENTILLION DATA SYSTEMS, LLC, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC.


			(Fowler, Phillip) (Entered: 07/16/2009)
07/17/2009	<u>730</u>	 8.49KB	Minute Entry for status conference held before Judge Larry J. McKinney on 7/17/2009: Parties appear by counsel for Telephonic Status Conference to discuss issues pertaining to the trial date of this matter, the Courts procedure for use of deposition designations at trial, and the pending motions for summary judgment. (Court Reporter Cathy Jones.) (TRG) (Entered: 07/17/2009)
07/20/2009	<u>731</u>	 16.71KB	REPLY in Support of Motion re <u>721</u> MOTION to Strike <u>694</u> SEALED Document <i>Centillion's Sur-reply In Opposition to Qwest's Motion for Summary Judgment of Invalidity Based on the Prior Art COBRA/TRACE System</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 07/20/2009)
07/24/2009	<u>732</u>	 71.84KB	NOTICE <i>REGARDING MEDIATION</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC (Fowler, Phillip) (Entered: 07/24/2009)
07/30/2009	<u>733</u>		***SEALED PURSUANT TO ORDER DATED 7/30/2009***SEALED Qwest's Reply in Support re <u>728</u> Objections to <u>705</u> June 22, 2009 Order Denying Request to Provide Counsel, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 7/31/2009 (TRG). Modified on 8/5/2009 (TRG). (Entered: 07/30/2009)
07/30/2009	<u>734</u>	 21.42KB	MOTION to Seal Document <u>733</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 07/30/2009)
07/30/2009	<u>735</u>	 30.29KB	ORDER granting <u>734</u> Motion to Seal Document <u>733</u> SEALED Document. Signed by Judge Larry J. McKinney on 7/31/2009. (REO) (Entered: 08/03/2009)
08/07/2009	<u>736</u>	 34.75KB	SCHEDULING ORDER: Jury Trial set for 9/28/2009 and Final Pretrial Conference set for 9/11/2009 are VACATED. Final Pretrial Conference RESET for 11/20/2009 at 10:00 AM in room #204 before Judge Larry J. McKinney. Jury Trial RESET for 11/30/2009 at 09:30 AM in room #202 before Judge Larry J. McKinney. Signed by Judge Larry J. McKinney on 8/7/2009.(TRG) (Entered: 08/07/2009)
08/21/2009	<u>737</u>	 26.00KB	ORDER. For the reasons discussed herein, the Court orders Qwest to submit evidence in support of its contention that Graves qualifies for protection under FRCP 26(b)(4)(B) for <i>in camera</i> review on or before 8/28/2009. Signed by Judge Larry J. McKinney on 8/21/2009. (LBK) (Entered: 08/21/2009)
08/24/2009	<u>738</u>		ORDER - The Court, on its own motion, hereby AMENDS the case management deadlines set forth in the Court's August 22, 2008,





		 29.41KB	Order. Motions in limine shall be filed on or before October 16, 2009. Responses to motions in limine shall be filed by October 30, 2009, with no reply to be filed. Signed by Judge Larry J. McKinney on 8/24/2009.(TRG) (Entered: 08/24/2009)
08/28/2009	<u>739</u>	 11.06KB	NOTICE of Delivery of In Camera Submission Pursuant to August 21, 2009 Order, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, re <u>737</u> Order. (Belusko, Vincent) (Entered: 08/28/2009)
08/28/2009	740		Submission of white binder and 2 documents in response to Court's August 21, 2009 <i>in camera</i> order, filed by Counter Defendants QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (TRG) (Entered: 08/31/2009)
09/01/2009	<u>741</u>	 177.01KB	OBJECTION (<i>Response To Qwest's Submission Of Documents For In Camera Review</i>) by CENTILLION DATA SYSTEMS, LLC. Related document: <u>739</u> Notice (Other) filed by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, QWEST, <u>737</u> Order. (Attachments: # <u>1</u> Exhibit Freeman letter to Bishop, dated 08/31/09, # <u>2</u> Exhibit Bishop letter to Freeman, dated 08/31/09)(Fowler, Phillip) (Entered: 09/01/2009)
09/22/2009	<u>742</u>	 56.86KB	ORDER - Centillion's Motion to Sever and Stay Trial of its Patent Infringement Claims Based on the Accused Network Applications (Dkt. No. <u>667</u>) is DENIED AS MOOT. Qwest Communications International, Inc., defendant/consolidated plaintiff's, Qwest Corporation, and consolidated plaintiff's, Qwest Communications Corporation, Motion for Partial Summary Judgment (Dkt. No. <u>600</u>) is GRANTED. Signed by Judge Larry J. McKinney on 9/22/2009. (TRG) (Entered: 09/22/2009)
09/29/2009	<u>743</u>	 44.32KB	ORDER - Centillion's request for an order requiring Qwest to identify all documents submitted to the Court (Dkt. No. <u>741</u>) is DENIED. Defendants', Qwest Communications International, Inc., et al., Objection to the Magistrate Judge's June 5, 2009, Order is SUSTAINED. Defendants' Objection to the Magistrate Judge's June 22, 2009, Order is OVERRULED AS MOOT. Signed by Judge Larry J. McKinney on 9/29/2009.(TRG) (Entered: 09/29/2009)
09/30/2009	<u>744</u>	 2.99MB	NOTICE of Confirmation of Patent Claims During Reexamination, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC (Attachments: # <u>1</u> Exhibit 1 -- Ex Parte Reexamination Communication Transmittal Form, # <u>2</u> Exhibit 2 -- Citation Nos. 325-333, # <u>3</u> Exhibit 3 -- Citation Nos. 325-333, # <u>4</u> Exhibit 4 -- Citation Nos. 393-397, # <u>5</u> Exhibit 5 -- Citation Nos. 393-397) (Fowler, Phillip) (Entered: 09/30/2009)
10/06/2009	<u>745</u>		Submission Response to Centillion's Notice of Confirmation of Patent







		 13.47KB	<i>Claims During Reexam</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/06/2009)
10/08/2009	<u>746</u>	 0.69MB	Submission <i>Centillion's Reply in Support of Its Notice of Confirmation of Patent Claims During Reexamination (Dkt. 744)</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- Manual of Patent Examining Procedure Section 724)(Fowler, Phillip) (Entered: 10/08/2009)
10/16/2009	<u>747</u>	 16.14KB	MOTION in Limine No. 9 to Preclude Centillion from Introducing Evidence Concerning the Verve Lounge, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>748</u>	 19.97KB	BRIEF/MEMORANDUM in Support re <u>747</u> MOTION in Limine No. 9 to Preclude Centillion from Introducing Evidence Concerning the Verve Lounge, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>749</u>	 33.66KB	DECLARATION of E. Dale Buxton II <i>In Support of Motion in Limine No. 9</i> re <u>747</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Buxton Decl. - Walton Resume)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>750</u>		*** SEALED PER <u>818</u> ORDER OF 10/26/09 *** <i>Exhibit 2 to the Declaration of E. Dale Buxton II ISO 747 Motion In Limine No. 9</i> , re <u>749</u> Declaration, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 10/19/2009 (TRG). Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>751</u>	 23.18KB	MOTION to Seal Document <u>750</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>752</u>	 23.65KB	MOTION in Limine No. 5, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>753</u>	 21.29KB	BRIEF/MEMORANDUM in Support re <u>752</u> MOTION in Limine No. 5, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>754</u>		MOTION in Limine No. 7, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST






		23.68KB	COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>755</u>	 19.70KB	BRIEF/MEMORANDUM in Support re <u>754</u> MOTION in Limine No. 7, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>756</u>	 24.71KB	MOTION in Limine No. 11, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>757</u>	 15.50KB	BRIEF/MEMORANDUM in Support re <u>756</u> MOTION in Limine No. 11, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>758</u>	 24.17KB	MOTION in Limine No. 8, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>759</u>	 20.67KB	BRIEF/MEMORANDUM in Support re <u>758</u> MOTION in Limine No. 8, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Riley, James) (Entered: 10/16/2009)
10/16/2009	<u>760</u>	 62.68KB	MOTION in Limine No. 1 <i>Requesting that the Court take Judicial Notice of the U.S. Patent and Trademark Office's Confirmation of the '270 Patent During Reexamination, and that it Instruct the Jury Accordingly</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>761</u>	 51.79KB	BRIEF/MEMORANDUM in Support re <u>760</u> MOTION in Limine No. 1 <i>Requesting that the Court take Judicial Notice of the U.S. Patent and Trademark Office's Confirmation of the '270 Patent During Reexamination, and that it Instruct the Jury Accordingly</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>762</u>	 54.84KB	MOTION in Limine No. 2 <i>To Preclude Qwest from Offering Testimony Regarding Prior Art References Not Specifically Disclosed by Qwest Pursuant to the Court's Discovery Order</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>763</u>	 64.29KB	BRIEF/MEMORANDUM in Support re <u>762</u> MOTION in Limine No. 2 <i>To Preclude Qwest from Offering Testimony Regarding Prior Art References Not Specifically Disclosed by Qwest Pursuant to the Court's Discovery Order</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 10/16/2009)




10/16/2009	<u>764</u>	 49.31KB	MOTION in Limine No. 3 To Preclude Evidence of the Financial Terms of Settlement Agreements Between Centillion and Third Parties, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>765</u>		*** SEALED PER <u>819</u> ORDER OF 10/26/09 *** Memorandum of Law in Support of Centillion's Motion in Limine No. 3 To Preclude Evidence of the Financial Terms of the Settlement Agreements Between Centillion and Third Parties, re <u>764</u> Motion in Limine, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit A, # (2) Exhibit B)(Fowler, Phillip) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>766</u>	 52.26KB	MOTION to Seal Document <u>765</u> SEALED Document Plaintiff's Motion to File Under Seal It's Memorandum of Law and Exhibits in Support of Centillion's Motion in Limine No. 3: To Preclude Evidence of the Financial Terms of Settlement Agreements Between Centillion and Third Parties, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>767</u>	 56.26KB	MOTION in Limine No. 4 To Preclude Qwest From Challenging the Size of the Royalty Base Described by Centillion's Expert, or for an Adverse Inference Instruction, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>768</u>		*** SEALED PER <u>820</u> ORDER OF 10/26/09 *** Memorandum of Law in Support of Centillion's Motion in Limine No. 4: To Preclude Qwest from Challenging the Size of the Royalty Base Described by Centillion's Expert, or for an Adverse Inference Instruction, re <u>767</u> Motion in Limine, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit A, # (2) Exhibit B, # (3) Exhibit C, # (4) Exhibit D, # (5) Exhibit E, # (6) Exhibit F, # (7) Exhibit G, # (8) Exhibit H, # (9) Exhibit I)(Fowler, Phillip) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>769</u>	 53.50KB	MOTION to Seal Document <u>768</u> SEALED Document Its Memorandum of Law and Exhibits in Support of Centillion's Motion in Limine No. 4: To Preclude Qwest from Challenging the Size of the Royalty Base Described by Centillion's Expert, or for an Adverse Inference Instruction, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>770</u>	 51.67KB	MOTION in Limine No. 5 To Preclude or Limit the Testimony of Paul K. Meyer as a Damages Expert on Behalf of the Qwest Defendants, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)






10/16/2009	<u>771</u>		*** SEALED PER <u>821</u> ORDER OF 10/26/09 *** Exhibits to Dkt. No. <u>763</u> BRIEF/MEMORANDUM in Support re <u>762</u> MOTION in Limine No. 2, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit Qwest Supplemental Responses to Interrogatories, # (2) Exhibit Report of Kursh 1/8/09, # (3) Exhibit Report of Kursh 2/18/09)(Fowler, Phillip) Modified on 10/19/2009 (TRG). Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>772</u>	 51.79KB	MOTION to Seal Document <u>771</u> SEALED MOTION <i>SEALED Exhibits to Dkt. No. 763</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>773</u>		*** SEALED PER <u>822</u> ORDER OF 10/26/09 *** <i>Memorandum of Law and exhibits in support of Centillions Motion in Limine No. 5: To Preclude or Limit the Testimony of Paul K. Meyer as a Damages expert on behalf of the Qwest Defendants</i> , re <u>770</u> Motion in Limine, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit Ex. 1 - Expert Report of Vincent A. Thomas, # (2) Exhibit Ex. 2a - Expert Rebuttal Report of Paul K. Meyer, # (3) Exhibit Ex. 2b - Expert Rebuttal Report of Paul K. Meyer, # (4) Exhibit Ex. 3a - U.S. Patent No. 5,235,290, Summary of the Invention, # (5) Exhibit Ex. 3b - U.S. Patent No. 5,235,290, Summary of the Invention, # (6) Exhibit Ex. 4a - Agreement btwn US Sprint Communs. Co. Ltd. Pship & Compucom Communs., # (7) Exhibit Ex. 4b - Agreement btwn US Sprint Communs. Co. Ltd. Pship & Compucom Communs., # (8) Exhibit Ex. 5 - Excerpts from Dep. of William Miller, # (9) Exhibit Ex. 6 - E-Mail from Tracy Evans to Bill Miller & Bob Merchant, # (10) Exhibit Ex. 7 - Qwest Communs. Corp.s Resp. to Pltf.s 2d Set of Interrogs., # (11) Exhibit Ex. 8 - Excerpts from Dep. of Venkat Ashok 4/26/06, # (12) Exhibit Ex. 9 - Excerpts from Dep. of Venkat Ashok 11/20/08, # (13) Exhibit Ex. 10 - LCI Communs., Inc. Patent Licensing Options, # (14) Exhibit Ex. 11 - Excerpts from Dep. Of Miller, # (15) Exhibit Ex. 12 - W. Millers handwritten notes, # (16) Exhibit Ex. 13 - Intent to Market Mem. to Product Development, # (17) Exhibit Ex. 14 - Business Case Template for Mid Market Billing and Analysis Tool, # (18) Exhibit Ex. 15 - Strategic Applications Implementation Request Form, # (19) Exhibit Ex. 16 - Qwest Implements E.bill Solution in Record Time (Article), # (20) Exhibit Ex. 17 - Letter from D. Buxton to M. White, # (21) Exhibit Ex. 18 - Notice of Rule 30(b)(6) Deposition, # (22) Exhibit Ex. 19 - Decl. of V. Ashok, # (23) Exhibit Ex. 20 - Excerpts from Dep. of Paul K. Meyer, # (24) Exhibit Ex. 21 - Letter from D. Buxton to K. Bressler, # (25) Exhibit Ex. 22 - Letter from D. Buxton to M. White, # (26) Exhibit Ex. 23 - Decl. of John Birbeck, # (27) Exhibit Ex. 24 - Stipulated Order of Dismissal Without Prejudice of Claims Against Bell Atlantic, # (28) Exhibit Ex. 25 - Agreed Motion to Dismiss Without Prejudice Claims Against Bell Atlantic, # (29) Exhibit Ex. 26 - Agreement Regarding Settlement Discussions, # (30) Exhibit Ex. 27 - License Agreement, Oct. 30 & Nov. 1, 2001, # (31) Exhibit Ex. 28 - Software Distributor











			License Agreement, # (32) Exhibit Ex. 29 - Qwest Traffic & Billing Dept, Custap Files to Web, # (33) Exhibit Ex. 30 - E-Mail from Nick Boley to Pete Patel, # (34) Exhibit Ex. 31 - Dep. of Venkat Ashok (Fowler, Phillip) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>774</u>	 52.80KB	MOTION to Seal Document <u>773</u> SEALED Document <i>Memorandum of Law and exhibits in support of Centillions Motion in Limine No. 5: To Preclude or Limit the Testimony of Paul K. Meyer as a Damages expert on behalf of the Qwest Defendants</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>775</u>	 52.70KB	MOTION in Limine No. 6: <i>To Evidence Relating to Certain Verizon Documents, Including the Documents Themselves</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>776</u>		*** SEALED PER 823 ORDER OF 10/26/09 *** <i>Memorandum of Law and exhibits in support of Centillions Motion in Limine No. 6: To Evidence Relating to Certain Verizon Documents, Including the Documents Themselves</i> , re <u>775</u> Motion in Limine, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit Ex. A - Nov. 7, 2006 Subpoena, # (2) Exhibit Ex. B - Letter from T. Roybal to P. Weissman, # (3) Exhibit Ex. C - Letter from T. Roybal to P. Weissman, # (4) Exhibit Ex. D. VZ CENT GRAVES 00001-00004, # (5) Exhibit Ex. E - Letter from D. Buxton to M. White, # (6) Exhibit Ex. F - August 25, 2008 Consulting Agreement, # (7) Exhibit Ex. G - Graves Invoices GR 000016-18, 20-32, # (8) Exhibit Ex. H - Nov. 21, 2008 Subpoena, # (9) Exhibit Ex. I - Declaration of Michael D. White, # (10) Exhibit Ex. J - Letter from C. Khoo to A LaVier, # (11) Exhibit Ex. K - Declaration of Caren Khoo, # (12) Exhibit Ex. L - Letter from D. Buxton to M. White, # (13) Exhibit Ex. M - QCC-3329077, # (14) Exhibit Ex. N - QCC-3329078, # (15) Exhibit Ex. O - Letter from A. LaVier to M. White, # (16) Exhibit Ex. P - QCC-3333379-80, # (17) Exhibit Ex. Q - QCC- 3333405, # (18) Ex. R - QCC-3333151, # (19) Exhibit Ex. S - Declaration of LaVier, # (20) Exhibit Ex. T - Declaration of Dessai)(Fowler, Phillip) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>777</u>	 49.77KB	MOTION to Seal Document <u>776</u> SEALED Document <i>Memorandum of Law and exhibits in support of Centillions Motion in Limine No. 6: To Evidence Relating to Certain Verizon Documents, Including the Documents Themselves</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 10/16/2009)
10/16/2009	<u>778</u>	 16.46KB	MOTION in Limine No. <u>10</u> to Preclude Centillion from Offering Evidence That Refer to Jan. 21, 2008 Settlement Offer, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)









10/16/2009	<u>779</u>	 19.12KB	BRIEF/MEMORANDUM in Support re <u>778</u> MOTION in Limine No. 10 to Preclude Centillion from Offering Evidence That Refer to Jan. 21, 2008 Settlement Offer, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>780</u>	 11.61KB	DECLARATION of E. Dale Buxton II ISO Motion in Limine No. 10 to Preclude Centillion from Offering Evid. that Refer to Jan. 21, 2008 Settlement Offer re <u>778</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>781</u>		*** SEALED PER <u>824</u> ORDER OF 10/26/09 *** <i>Exhibit 1 to Buxton Declaration</i> , re <u>780</u> Declaration, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Buxton Decl. - Jan. 21, 2008 Confidential Settlement Communication)(Belusko, Vincent) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>782</u>	 25.64KB	MOTION to Seal Document <u>781</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>783</u>	 17.08KB	MOTION in Limine No. 2 to Preclude Evidence that Quantifies Noninfringing CDRs, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>784</u>		*** SEALED PER <u>817</u> ORDER OF 10/26/09 *** <i>Memorandum in Support of Motion in Limine No. 2</i> , re <u>783</u> Motion in Limine, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>785</u>	 23.18KB	MOTION to Seal Document <u>784</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>786</u>	 17.47KB	MOTION in Limine No. 3 to Exclude Testimony of Dr. Grimes, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Gallegos, Hector) (Entered: 10/16/2009)
10/16/2009	<u>787</u>		*** SEALED PER <u>816</u> ORDER OF 10/26/09 *** <i>Memorandum in Support</i> , re <u>786</u> Motion in Limine, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Gallegos, Hector) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)










10/16/2009	<u>788</u>	 29.41KB	MOTION in Limine No. 6 to Preclude Reference to CRIS, eBill, IABS, etc. and Request for Cautionary Jury Instruction, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>789</u>	 21.88KB	MOTION to Seal Document <u>787</u> SEALED Document Memorandum in Support of Motion in Limine No. 3 to Exclude Testimony of Dr. Grimes, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Gallegos, Hector) (Entered: 10/16/2009)
10/16/2009	<u>790</u>		SEALED Memorandum ISO Motion in Limine No. 6, re <u>788</u> Motion in Limine, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>791</u>	 16.40KB	MOTION in Limine No. 4 To Preclude Centillion From Introducing Evidence Or Argument That The Patent Office Has Already Considered Whether The '270 Patent Is Invalid Over The Cobra/Trace System, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Gallegos, Hector) (Entered: 10/16/2009)
10/16/2009	<u>792</u>	 55.04KB	BRIEF/MEMORANDUM in Support re <u>791</u> MOTION in Limine No. 4 To Preclude Centillion From Introducing Evidence Or Argument That The Patent Office Has Already Considered Whether The '270 Patent Is Invalid Over The Cobra/Trace System, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Gallegos, Hector) (Entered: 10/16/2009)
10/16/2009	<u>793</u>	 1.06MB	DECLARATION of E. Dale Buxton II ISO Motion in Limine No. 6 re <u>788</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 3 to Buxton Decl. - Sept. 13, 2002 Letter, # <u>2</u> Exhibit 4 to Buxton Decl. - Dec. 13, 2002 Letter, # <u>3</u> Exhibit 6 to Buxton Decl. - April 15, 2008 Letter, # <u>4</u> Exhibit 7 to Buxton Decl. - April 16, 2008 Letter, # <u>5</u> Exhibit 9 to Buxton Decl. - Feb. 25, 2003 Letter, # <u>6</u> Exhibit 10 to Buxton Decl. - Liening Depo Excerpts, # <u>7</u> Exhibit 11 to Buxton Decl. - May 2, 2008 Second Set of Rogs to Qwest, # <u>8</u> Exhibit 12 to Buxton Decl. - April 22, 2008 Letter, # <u>9</u> Exhibit 14 to Buxton Decl. - April 30, 2008 Revised 30(b)(6) Depo Notice to Qwest, # <u>10</u> Exhibit 15 to Buxton Decl. - Feb. 9, 2009 Letter, # <u>11</u> Exhibit 16 to Buxton Decl. - June 12, 2009 Letter, # <u>12</u> Exhibit 17 to Buxton Decl. - Dec. 22, 2008 Letter)(Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>794</u>		SEALED Exhibits to <u>793</u> Declaration of E. Dale Buxton II ISO <u>788</u> Motion in Limine No. 6, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST












			COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Buxton Decl - Timeline re Accused Products, # <u>2</u> Exhibit 2 to Buxton Decl - Dec. 23, 2008 Suppl. Resp. to Qwest 1st Set of Rogs, # <u>3</u> Exhibit 5 to Buxton Decl - Expert Report of Dr. Jack Grimes, # <u>4</u> Exhibit 8 to Buxton Decl - June 6, 2009 Suppl. Answers to Qwest 1st Set of Rogs, # <u>5</u> Exhibit 13 to Buxton Decl - Oct. 3, 2008 12th Suppl Resp to Cent. 1st Set of Rogs, # <u>6</u> Exhibit 18 to Buxton Decl - April 26, 2006 Ashok Excerpts, # <u>7</u> Exhibit 19 to Buxton Decl - November 19, 2008 Ashok Excerpts, # <u>8</u> Exhibit 20 to Buxton Decl - March 1, 2007 Ashok Excerpts)(Belusko, Vincent) Modified on 10/19/2009 (TRG). (Entered: 10/16/2009)
10/16/2009	<u>795</u>	 21.79KB	***WITHDRAWN PURSUANT TO ORDER DATED 10/22/2009*** MOTION in Limine No. 1 to Preclude V. Thomas from Offering Opinions re Royalty Base & Total Damages, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) Modified on 10/26/2009 (TRG). (Entered: 10/16/2009)
10/16/2009	<u>796</u>		*** SEALED PER <u>825</u> ORDER OF 10/26/09 *** Memorandum ISO Motion in Limine No. 1 to Preclude V. Thomas from Offering Opinions re Royalty Base & Total Damages, re <u>795</u> Motion in Limine, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)
10/16/2009	<u>797</u>	 5.12MB	DECLARATION of Hector G. Gallegos in Support of Motion in Limine No. 4 re <u>791</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Gallegos Decl. -- 5-3-05 Reexam Request, # <u>2</u> Exhibit 2 to Gallegos Decl. -- 6-22-05 Order Granting Reexamination, # <u>3</u> Exhibit 3 to Gallegos Decl.-- 5-8-06 Notice of Intent to Issue Reexam Certificate, # <u>4</u> Exhibit 4 to Gallegos Decl. -- 2001 Rog responses that identify prior art, # <u>5</u> Exhibit 5 to Gallegos Decl. -- 5-16-06 Information Disclosure Statement, # <u>6</u> Exhibit 6 to Gallegos Decl. -- 9-24-09 Patent Office Action, # <u>7</u> Exhibit 7 to Gallegos Decl. -- Notice of References Cited, # <u>8</u> Exhibit 8 to Gallegos Decl. -- 9-24-09 decision expunging Citation Nos. 185-335, # <u>9</u> Exhibit 9 to Gallegos Decl. -- List of references for 9-24-09 decision, # <u>10</u> Exhibit 10 to Gallegos Decl. -- 9-25-09 decision expunging Citation Nos. 391-397, # <u>11</u> Exhibit 11 to Gallegos Decl. -- List of references for 9-25-09 decision, # <u>12</u> Exhibit 12 to Gallegos Decl. -- 6-2-09 letter from Verizon to Qwest) (Gallegos, Hector) (Entered: 10/16/2009)
10/16/2009	<u>798</u>	 23.65KB	MOTION to Seal Document 796 SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/16/2009)











10/16/2009	<u>799</u>	 5.09MB	DECLARATION of Vincent J. Belusko ISO Motions in Limine 1, 2 and 3 re <u>795</u> Motion in Limine, <u>783</u> Motion in Limine, <u>786</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Belusko Decl - '270 Patent, # <u>2</u> Exhibit 2 to Belusko Decl - March 2, 1993 Office Action, # <u>3</u> Exhibit 3 to Belusko Decl - Amendment, # <u>4</u> Exhibit 4 to Belusko Decl - Notice of Allowability) (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>800</u>		*** SEALED PER <u>826</u> ORDER OF 10/26/09 *** <i>Certain Exhibits to Declaration of Vincent Belusko ISO Motions in Limine 1, 2 and 3, re <u>799</u> Declaration in support of <u>795</u> MOTION in Limine, <u>783</u> MOTION in Limine and <u>786</u> MOTION in Limine, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 5 to Belusko Decl - Jan. 8, 2008 Expert Report of Jack Grimes, # <u>2</u> Exhibit 6 to Belusko Decl - Feb. 6, 2009 Expert Report of Brad Walton, # <u>3</u> Exhibit 7 to Belusko Decl - Jan. 8, 2009 Expert Report of V. Thomas, # <u>4</u> Exhibit 8 to Belusko Decl - March 13, 2009 Grimes Excerpts, # <u>5</u> Exhibit 9 to Belusko Decl - March 19, 2009 Depo Excerpts of V. Thomas, # <u>6</u> Exhibit 10 to Belusko Decl - Feb. 25, 2009 Rebuttal Expert Report of Jack Grimes, # <u>7</u> Exhibit 11 to Belusko Decl - April 1, 2009 Depo Excerpts of Jack Grimes, # <u>8</u> Exhibit 12 to Belusko Decl - Dec. 11, 2008 Depo Excerpts of James Coyle, # <u>9</u> Exhibit 13 to Belusko Decl - Feb. 11, 2009 Depo Excerpts of B. Whitman)(Belusko, Vincent) Modified on 10/19/2009 (TRG). Modified on 10/27/2009 (TMA). (Entered: 10/16/2009)</i>
10/16/2009	<u>801</u>	 23.78KB	MOTION in Limine <i>Regarding Timing and Order of Proof at Trial</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>802</u>	 27.55KB	BRIEF/MEMORANDUM in Support re <u>801</u> MOTION in Limine <i>Regarding Timing and Order of Proof at Trial</i> , filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/16/2009)
10/16/2009	<u>803</u>	 47.20KB	DECLARATION of Vincent J. Belusko ISO Motion <i>Regarding Timing and Order of Proof at Trial</i> re <u>801</u> Motion in Limine by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Exhibit 1 to Belusko Decl - Email Communications Between M. Bishop and A. Freeman, # <u>2</u> Exhibit 2 to Belusko Decl - Email Communication between J. Riley and P. Fowler)(Belusko, Vincent) (Entered: 10/16/2009)
10/17/2009	<u>804</u>	 27.19KB	MOTION to Seal Document <u>800</u> SEALED Document, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: #













			<u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/17/2009)
10/19/2009	<u>805</u>	 16.26KB	Submission of Signature Requirement re <u>752</u> MOTION in Limine No. 5 by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>806</u>	 19.63KB	Submission of Signature Requirement re <u>753</u> Brief/Memorandum in Support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>807</u>	 16.31KB	Submission of Signature Requirement re <u>754</u> MOTION in Limine No. 7 by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>808</u>	 18.09KB	Submission of Signature Requirement re <u>755</u> Brief/Memorandum in Support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>809</u>	 17.37KB	Submission of Signature Requirement re <u>756</u> MOTION in Limine No. 11 by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>810</u>	 13.93KB	Submission of Signature Requirement re <u>757</u> Brief/Memorandum in Support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>811</u>	 16.79KB	Submission of Signature Requirement re <u>758</u> MOTION in Limine No. 8 by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>812</u>	 19.05KB	Submission of Signature Requirement re <u>759</u> Brief/Memorandum in Support of Motion by QWEST, QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>813</u>	 15.97KB	MOTION to Withdraw <u>795</u> MOTION in Limine No. 1 to Preclude V. Thomas from Offering Opinions re Royalty Base & Total Damages, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 10/19/2009)
10/19/2009	<u>814</u>	 16.10KB	MOTION in Limine No. 1 to Preclude Vincent A. Thomas From Offering Opinions as to the Royalty Base and Total Damages, filed by Defendant QWEST, Consol Plaintiffs QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION. (Attachments: #







			<u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/19/2009)
10/22/2009	<u>815</u>	 29.31KB	ORDER granting <u>813</u> Motion to Withdraw <u>795</u> MOTION in Limine No. 1 to Preclude V. Thomas from Offering Opinions re Royalty Base & Total Damages. Docket <u>795</u> is hereby WITHDRAWN. Signed by Judge Larry J. McKinney on 10/22/2009. (TRG) (Entered: 10/26/2009)
10/26/2009	<u>816</u>	 35.76KB	ORDER granting <u>789</u> Motion to Seal Document <u>787</u> Memorandum in Support of Its Motion in Limine No. 3 to Exclude Testimony of Dr. Grimes. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>817</u>	 36.70KB	ORDER granting <u>785</u> Motion to Seal Document <u>784</u> Memorandum in Support of Motion in Limine No. 2 to Preclude Centillion From Introducing Evidence That Quantifies Non-infringing Call Detail Records. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>818</u>	 36.87KB	ORDER granting <u>751</u> Motion to Seal Document <u>750</u> Exhibit 2 to the Declaration of E. Dale Buxton II in Support of Qwest's Memorandum in Support of Its Motion in Limine No. 9 to Preclude Centillion From Introducing Evidence Concerning the Verve Lounge. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>819</u>	 32.73KB	ORDER granting <u>766</u> Motion to Seal Document <u>765</u> Memorandum of Law. The court assumes the plaintiff is referring to materials submitted in connection with limine motion #3 and not motion # 4 referenced in the request for relief, and GRANTS the motion on that basis. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>820</u>	 58.48KB	ORDER granting <u>769</u> Motion to Seal Document <u>768</u> Memorandum of Law and exhibits in support of Centillion's Motion in Limine No. 4: To Preclude Qwest from Challenging the Size of the Royalty Base Described by Centillion's Expert, or for an Adverse Inference Instruction. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>821</u>	 49.57KB	ORDER granting <u>772</u> Motion to Seal Document <u>771</u> exhibits in support of Centillion's Motion in Limine No. 2 Dkt. No. 763. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>822</u>	 80.43KB	ORDER granting <u>774</u> Motion to Seal Document <u>773</u> Memorandum of Law and exhibits in support of Centillion's Motion in Limine No. 5: To Preclude or Limit the Testimony of Paul K. Meyer as a Damages expert on behalf of the Qwest Defendants. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>823</u>		ORDER granting <u>777</u> Motion to Seal Document <u>776</u> Memorandum

		 48.54KB	of Law and exhibits in support of Centillion's Motion in Limine No. 6: To Evidence Relating to Certain "Verizon" Documents, Including the Documents Themselves. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>824</u>	 38.17KB	ORDER granting <u>782</u> Motion to Seal Document <u>781</u> Exhibit 1 to the Declaration of E. Dale Buxton II in Support of their Motion in Limine No. 10. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>825</u>	 36.39KB	ORDER granting <u>798</u> Motion to Seal Document <u>796</u> Memorandum in Support of Its Motion in Limine No. 1 to Preclude Vincent A. Thomas From Offering Opinions As To the Royalty Base and Total Damages. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/26/2009	<u>826</u>	 36.72KB	ORDER granting <u>804</u> Motion to Seal Document <u>800</u> certain exhibits to the Declaration of Vincent J. Belusko in Support of Motions in Limine 1, 2 and 3. Signed by Magistrate Judge Debra McVicker Lynch on 10/26/2009. (TMA) (Entered: 10/27/2009)
10/29/2009	<u>827</u>	 104.03KB	ORDER - Plaintiff/consolidated defendant's, Centillion Data System, LLC, and consolidated defendant's, CTI Group (Holdings), Inc., Motion for Partial Summary Judgment (Dkt. No. <u>613</u>) is GRANTED and Motion for Partial Summary Judgment of Infringement (Dkt. No. <u>616</u>) is DENIED. Defendants/consolidated plaintiffs', Qwest Communications International, Inc. and Qwest Corporation, <u>605</u> Motion for Summary Judgment of Invalidity of the 270 Patent is DENIED; Motion for Summary Judgment of Noninfringement is GRANTED, and Motion to Strike (Dkt. No. <u>721</u>) is DENIED. All other pending motions are DENIED AS MOOT. The Court will enter judgment accordingly. Signed by Judge Larry J. McKinney on 10/29/2009.(TRG) (Entered: 10/29/2009)
10/29/2009	<u>828</u>	 102.61KB	AMENDED ORDER re <u>827</u> Order. Signed by Judge Larry J. McKinney on 10/29/2009.(TRG) (Entered: 10/29/2009)
11/03/2009	<u>829</u>	 39.72KB	CLOSED JUDGMENT - The patent infringement claims brought by plaintiff/consolidated defendant's, Centillion Data System, LLC, and consolidated defendant's, CTI Group (Holdings), Inc., are DISMISSED with prejudice. Plaintiffs shall take nothing by way of their complaints. Signed by Judge Larry J. McKinney on 11/3/2009. (TRG) (Entered: 11/03/2009)
11/17/2009	<u>830</u>	 159.89KB	BILL OF COSTS by QWEST, QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. (Attachments: # <u>1</u> Appendix A to Qwest Bill of Costs - Deposition Transcription Costs Chart, # <u>2</u> Appendix B to Qwest Bill of Costs - Photocopyin, Imaging and Printing Costs Chart)(Belusko, Vincent) (Entered: 11/17/2009)
11/30/2009	<u>831</u>	 1.94MB	NOTICE OF APPEAL as to <u>829</u> Closed Judgment, <u>828</u> Order, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Entry of Judgment, # <u>2</u> Exhibit B -- Amended Order)




			(Fowler, Phillip) (Entered: 11/30/2009)
11/30/2009	<u>832</u>	 356.26KB	NOTICE of Final Determination in lawsuit sent to Director of U.S. Patent and Trademark Office. (Attachments: # <u>1</u> Judgment, # <u>2</u> Order) (TRG) (Entered: 11/30/2009)
11/30/2009	<u>834</u>	 20.55KB	APPEAL FEE PAID, RECEIPT #IP15729, in the amount of \$ 455.00. (cc: USCA Fed. Circuit) (TMA) (Entered: 12/02/2009)
12/01/2009	<u>833</u>	 0.98MB	FEDERAL CIRCUIT APPEAL INFORMATION SHEET re <u>831</u> Notice of Appeal - Instructions for Attorneys - Parties' Short Record, Instructions, and Designation of Record information attached. SHORT RECORD SENT TO THE FEDERAL CIRCUIT ON THIS DATE. (TMA) (Entered: 12/01/2009)
12/11/2009	<u>835</u>	 12.69KB	NOTICE OF CROSS APPEAL as to <u>829</u> Closed Judgment, <u>828</u> Order, filed by Defendant QWEST, Consol Plaintiffs QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. Filing fee \$ 455, receipt number 0756-1576646. (Belusko, Vincent) (Entered: 12/11/2009)
12/14/2009	<u>837</u>	 22.12KB	USCA for the Federal Circuit Case Number 2010-1110 for <u>831</u> Notice of Appeal filed by CENTILLION DATA SYSTEMS, LLC. (TMA) (Entered: 12/23/2009)
12/16/2009	<u>836</u>	 0.92MB	FEDERAL CIRCUIT APPEAL INFORMATION SHEET re <u>835</u> Notice of Cross Appeal - Parties' Short Record attached. SHORT RECORD SENT TO THE FEDERAL CIRCUIT ON THIS DATE. (TMA) (Entered: 12/16/2009)
12/29/2009	<u>838</u>	 19.28KB	USCA for the Federal Circuit Case Number 2010-1131 for <u>835</u> Notice of Cross Appeal filed by QWEST CORPORATION, QWEST COMMUNICATIONS CORPORATION, QWEST. (TMA) (Entered: 01/04/2010)
01/22/2010	<u>839</u>	 24.46KB	STIPULATION for Amended Judgment, re <u>829</u> Closed Judgment, filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Defendant QWEST, Consol Plaintiffs QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 01/22/2010)
01/26/2010	<u>840</u>	 42.87KB	ENTRY OF AMENDED JUDGMENT. Signed by Judge Larry J. McKinney on 1/26/2010. (See Judgment)(TRG) (Entered: 01/26/2010)
02/01/2010	<u>841</u>	 69.88KB	NOTICE of Final Determination in lawsuit sent to Director of U.S. Patent and Trademark Office. (Attachments: # <u>1</u> Entry of Amended Judgment) (TRG) (Entered: 02/01/2010)
02/10/2010	<u>842</u>	 130.52KB	MOTION to Withdraw as Attorney <i>MOTION FOR LEAVE TO WITHDRAW APPEARANCES OF H. KEETO SABHARWAL AND NIRAV N. DESAI</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Order



			Regarding Motion to Withdraw Certain Appearances of Counsel) (Fowler, Phillip) (Entered: 02/10/2010)
02/11/2010	<u>843</u>	 79.42KB	ORDER granting <u>842</u> Motion to Withdraw as Attorney. Attorney Nirav Narendra Desai and Hemant Keeto Sabharwal withdrawn. Signed by Judge Larry J. McKinney on 2/11/2010. (TRG) (Entered: 02/12/2010)
02/25/2010	<u>844</u>	 12.58KB	NOTICE OF CROSS APPEAL as to <u>840</u> Judgment, filed by Defendant QWEST, Counter Defendants QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. (Belusko, Vincent) (Entered: 02/25/2010)
02/25/2010	<u>845</u>	 21.29KB	***WITHDRAWN PURSUANT TO ORDER DATED 3/1/2010*** NOTICE OF APPEAL as to <u>829</u> Closed Judgment, <u>828</u> Order, <u>840</u> Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Honigberg, Paul) Modified on 3/2/2010 (TRG). (Entered: 02/25/2010)
02/25/2010	<u>846</u>	 21.32KB	AMENDED NOTICE OF APPEAL as to <u>829</u> Closed Judgment, <u>828</u> Order, <u>840</u> Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Honigberg, Paul) Modified on 3/1/2010 (TRG). (Entered: 02/25/2010)
02/26/2010	<u>847</u>	 21.31KB	Submission of Signature Requirement re <u>846</u> Notice of Appeal by CENTILLION DATA SYSTEMS, LLC. (Honigberg, Paul) (Entered: 02/26/2010)
02/26/2010	<u>848</u>	 32.79KB	MOTION to Withdraw <u>845</u> Notice of Appeal <i>Because Corrected and Superseded by Docket No. 846</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order Proposed Order Granting Motion for Leave to Withdraw Docket No. <u>845</u>)(Honigberg, Paul) (Entered: 02/26/2010)
03/01/2010	<u>849</u>	 1.16MB	USCA FOR THE FEDERAL CIRCUIT APPEAL INFORMATION SHEET re <u>844</u> Notice of Cross Appeal - Parties' Short Record attached. (TMA) (Entered: 03/01/2010)
03/01/2010	<u>850</u>	 0.95MB	USCA FOR THE FEDERAL CIRCUIT APPEAL INFORMATION SHEET re <u>846</u> Notice of Appeal - Short Record attached. (TMA) (Entered: 03/01/2010)
03/01/2010	<u>851</u>	 39.28KB	ORDER granting <u>848</u> Motion to Withdraw <u>845</u> Notice of Appeal. Clerk is directed to withdraw Docket No. <u>845</u> from the electronic record of this case. Signed by Judge Larry J. McKinney on 3/1/2010. (TRG) (Entered: 03/02/2010)
05/04/2011	<u>852</u>	 174.75KB	USCA FOR THE FEDERAL CIRCUIT JUDGMENT - Because genuine issues of material fact remain, we reverse the district court's grant of summary judgment of no anticipation. We remand the case for further proceedings. Vacated-in-Part, Reversed-in-Part, and REMANDED. (See Judgment) (No record to be returned.) (TMA) Modified on 5/6/2011 (TMA). (Entered: 05/06/2011)



05/13/2011	<u>853</u>	 95.87KB	Submission of Rule 16.2 Statement, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 05/13/2011)
05/24/2011	<u>854</u>	 4.51KB	Reassignment of Case to Magistrate Judge Denise K. LaRue. Magistrate Judge Debra McVicker Lynch no longer assigned to the case. Please include the new case number (1:04-CV-00073-LJM-DKL), which includes the initials of the newly assigned judge, on all future filings in this matter. (TRG) (Entered: 05/24/2011)
05/25/2011	<u>855</u>	 130.44KB	MOTION to Withdraw as Attorney (<i>Michael D. White</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/25/2011)
05/25/2011	<u>856</u>	 377.72KB	Statement Pursuant to S.D. Indiana Local Rule 16.2 by QWEST. (Belusko, Vincent) (Entered: 05/25/2011)
05/26/2011	<u>857</u>	 131.85KB	MOTION to Withdraw as Attorney (<i>Leasa M. Woods</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 05/26/2011)
05/27/2011	<u>858</u>	 82.02KB	ORDER granting <u>857</u> Motion to Withdraw as Attorney. Attorney Leasa M. Woods withdrawn as counsel for Centillion Data Systems LLC. Signed by Judge Larry J. McKinney on 5/27/2011. (CBU) (Entered: 05/27/2011)
05/31/2011	<u>859</u>	 81.78KB	ORDER granting <u>855</u> Motion to Withdraw as Attorney. Attorney Michael Douglas White withdrawn on behalf of Centillion Data Systems LLC. Signed by Judge Larry J. McKinney on 5/31/2011. (CBU) (Entered: 06/01/2011)
06/23/2011	<u>860</u>	 131.23KB	MOTION for Pretrial Conference, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 06/23/2011)
07/01/2011	<u>861</u>	 138.94KB	RESPONSE in Opposition re <u>860</u> MOTION for Pretrial Conference, filed by Defendant QWEST, Consol Plaintiffs QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. (Riley, James) (Entered: 07/01/2011)
07/06/2011	<u>862</u>	 81.42KB	REPLY in Support of Motion re <u>860</u> MOTION for Pretrial Conference, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 07/06/2011)
07/11/2011	<u>863</u>	 39.70KB	SCHEDULING ORDER: Telephonic Status Conference set for 7/18/2011 02:00 PM before Magistrate Judge Denise K. LaRue. Signed by Magistrate Judge Denise K. LaRue on 7/11/2011. (TMA) (Entered: 07/12/2011)
07/21/2011	<u>865</u>	 229.47KB	BRIEF/MEMORANDUM in Support re <u>860</u> MOTION for Pretrial Conference (<i>REGARDING PRETRIAL SCHEDULE</i>), filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit 1 -- Non-Confidential Brief)(Fowler, Phillip) (Entered: 07/21/2011)





07/21/2011	<u>866</u>	 27.25KB	RESPONSE in Opposition, filed by Defendant QWEST. (Bishop, J.) (Entered: 07/21/2011)
08/12/2011	<u>867</u>	 40.39KB	Minute Entry for proceedings held before Magistrate Judge Denise K. LaRue: Telephonic Status Conference held on 7/18/2011. (See Entry) Signed by Magistrate Judge Denise K. LaRue. (TMA) (Entered: 08/12/2011)
08/12/2011	<u>868</u>	 49.43KB	ORDER re: <u>860</u> Motion for Pretrial Conference - Centillion's motion for pretrial conference is therefore GRANTED to the extent that the dispositive motion deadline has been set. (See Entry for deadline.) Signed by Magistrate Judge Denise K. LaRue on 8/12/2011. (TMA) (Entered: 08/12/2011)
09/01/2011	<u>869</u>	 129.36KB	Unopposed MOTION for Extension of Time to September 16, 2011 in which to <u>868</u> Order on Motion for Pretrial Conference <i>TO FILE SUMMARY JUDGMENT BRIEF</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 09/01/2011)
09/09/2011	<u>870</u>	 93.25KB	ORDER granting <u>869</u> Motion for Extension of Time - the deadline for the parties to file additional summary judgment motions, if any, directed at the issues raised by the Federal Circuits ruling is hereby extended from September 9, 2011, to September 16, 2011. Signed by Magistrate Judge Denise K. LaRue on 9/9/2011. (REO) (Entered: 09/09/2011)
09/16/2011	<u>871</u>	 133.91KB	MOTION for Partial Summary Judgment <i>of Infringement</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/16/2011)
09/16/2011	<u>872</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>BRIEF IN SUPPORT OF THEIR MOTION FOR PARTIAL SUMMARY JUDGMENT OF INFRINGEMENT</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 1 -- Ashok Deposition (11/19/08), # (2) Exhibit 2 -- 270 Patent, # (3) Exhibit 3 -- System Diagram, # (4) Exhibit 4 -- eBill Companion FAQs, # (5) Exhibit 5 -- EBC High Level System Flow Diagram, # (6) Exhibit 6, Part 1 -- eBill Companion User Manual (2/04), # (7) Exhibit 6, Part 2 -- eBill Companion User Manual (2/04), # (8) Exhibit 7, Part 1 -- AMSG Training Manual, # (9) Exhibit 7, Part 2 -- AMSG Training Manual, # (10) Exhibit 7, Part 3 -- AMSG Training Manual, # (11) Exhibit 7, Part 4 -- AMSG Training Manual, # (12) Exhibit 7, Part 5 - - AMSG Training Manual)(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)
09/16/2011	<u>873</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Continued Exhibits from Centillion Data Systems, LLC's and CTI Group (Holdings) Inc.'s Brief in Support of Their Motion for Partial</i>




		<p><i>Summary Judgment of Infringement (Exhibit 8 -- Pricing Overview)</i>, re <u>872</u> SEALED Document, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 9 -- Billing Stream Overview, # (2) Exhibit 10 -- Ashok Deposition (3/1/07), # (3) Exhibit 11 -- Billing Data Server, # (4) Exhibit 12 -- eBC Backoffice support document, # (5) Exhibit 13 -- List of Servers for Mediation, # (6) Exhibit 14 -- LATIS Disaster Recovery Plan, # (7) Exhibit 15 -- Ashok Deposition (11/20/08), # (8) Exhibit 16 -- Ebc Back Office Description, # (9) Exhibit 17 -- EBC Back Office flowchart, # (10) Exhibit 18 -- eBill Companion Technical Reference, # (11) Exhibit 19 -- eBC Wells Fargo Design Proposal, # (12) Exhibit 20 -- State of Arizona Design Program, # (13) Exhibit 21 -- GE Tax and Discount Data project, # (14) Exhibit 22 -- CRIS CSR an Billing Data to eBC (Wells Fargo interim solution), # (15) Exhibit 23 -- Section 3.2 Billing, # (16) Exhibit 24 -- Kaiser reporting needs, # (17) Exhibit 25 -- WebMD Change to EBC)(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</p>
09/16/2011	<u>874</u>	<p>*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Continued Exhibits from Centillion Data Systems, LLC's and CTI Group (Holdings) Inc.'s Brief in Support of Their Motion for Partial Summary Judgment of Infringement (Exhibit 26 -- eBilling Companion and Cox)</i>, re <u>872</u> SEALED Document, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 27 -- Calnet II eBC, # (2) Exhibit 28 -- GE New PTID Request, # (3) Exhibit 29 -- Project Requirement Form, # (4) Exhibit 30 -- Alternate Medias Mandatory Requirements for eBC Registration, # (5) Exhibit 31 -- Seattle Intelligencer Request for ebill info, # (6) Cover Sheet for Sealed Document 32 -- eBill Companion information, # (7) Exhibit 33, Part 1 -- eBill Companion User Manual (8/02), # (8) Exhibit 33, Part 2 -- eBill Companion User Manual (8/02))(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</p>
09/16/2011	<u>875</u>	<p>*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Continued Exhibits from Centillion Data Systems, LLC's and CTI Group (Holdings) Inc.'s Brief in Support of Their Motion for Partial Summary Judgment of Infringement (Exhibit 34 -- 6/9/08 letter to Ken Bressler)</i>, re <u>872</u> SEALED Document, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 35 -- 8/27/08 letter to Mike White, # (2) Exhibit 36 -- 9/18/08 letter to Mike White, # (3) Exhibit 37 -- Expert report of Vincent Thomas, # (4) Exhibit 38 -- 6/14/11 letter to Alan Freeman, # (5) Exhibit 39 -- 7/5/11 letter to Ken Bressler, # (6) Exhibit 40 -- ebilling companion and COX e-mail, # (7) Exhibit 41 -- Qwests 11th response to 1st set of interrogatories, # (8) Exhibit 42, Part 1 -- William Miller Deposition (11/16/06), # (9) Exhibit 42, Part 2 -- William Miller Deposition (11/16/06))(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</p>








09/16/2011	<u>876</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Continued Exhibits from Centillion Data Systems, LLC's and CTI Group (Holdings) Inc.'s Brief in Support of Their Motion for Partial Summary Judgment of Infringement (Exhibit 43 -- E-mail regarding 85 million call records),</i> , re <u>872</u> SEALED Document, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 44 -- Qwests response to 2nd set of interrogatories, # (2) Exhibit 45, Part 1 -- Ashok Deposition (4/26/06), # (3) Exhibit 45, Part 2 -- Ashok Deposition (4/26/06), # (4) Exhibit 46 -- Patent Licensing Options, # (5) Exhibit 47 -- William Miller Deposition (9/23/97), # (6) Exhibit 48 -- ascii text files, # (7) Exhibit 40 -- ascii text files, # (8) Exhibit 50, Part 1 -- Letters to users of eBill Companion, # (9) Exhibit 50, Part 2 -- Letters to users of eBill Companion, # (10) Exhibit 50, Part 3 -- Letters to users of eBill Companion)(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)
09/16/2011	<u>877</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Declaration of Dr. Jack D. Grimes,</i> re <u>871</u> Motion for Partial Summary Judgment, filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit A -- Expert Report of Jack D. Grimes, Ph.D. (01/08/09), # (2) Exhibit B -- Expert Report of Jack D. Grimes, Ph.D. (02/26/09), # (3) Exhibit C, Part 1 -- various e-mails, # (4) Exhibit C, Part 2 -- various e-mails, # (5) Exhibit D -- various e-mails, # (6) Exhibit E -- Bates numbered documents, # (7) Exhibit F -- Letter from Qwest counsel to Centillion's counsel dated 06/09/08, # (8) Exhibit G, Part 1 -- Pages from Ashok Depo dated 11/19/08, eBC User Manual pages, # (9) Exhibit G, Part 2 -- Pages from Ashok Depo dated 11/19/08, eBC User Manual pages, # (10) Exhibit G, Part 3 -- Pages from Ashok Depo dated 11/19/08, eBC User Manual pages)(Fowler, Phillip) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)
09/16/2011	<u>878</u>	 138.00KB	MOTION to Seal Document <u>875</u> SEALED Document, <u>874</u> SEALED Document, <u>876</u> SEALED Document, <u>877</u> SEALED Document, <u>872</u> SEALED Document, <u>873</u> SEALED Document, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/16/2011)
09/16/2011	<u>879</u>	 134.24KB	MOTION for Oral Argument on Motion for Partial Summary Judgment of Infringement, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 09/16/2011)
09/16/2011	<u>880</u>	 18.17KB	MOTION for Summary Judgment of Non-Infringement, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 09/16/2011)
09/16/2011	<u>881</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED










			<i>Declaration of Venkat Ashok, re 880 Motion for Summary Judgment, filed by Defendant QWEST. (Belusko, Vincent) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</i>
09/16/2011	<u>882</u>	 3.47MB	DECLARATION of Vincent J. Belusko <i>In Support of Motion for Summary Judgment of Non-Infringement</i> re <u>880</u> Motion for Summary Judgment by QWEST. (Attachments: # <u>1</u> Exhibit 4 - eBC Companion 1.0 User's Manual)(Belusko, Vincent) (Entered: 09/16/2011)
09/16/2011	<u>883</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Exhs 1-3 and 5-17 to Declaration of Vincent J. Belusko, re 882 Declaration, 880 Motion for Summary Judgment, filed by Defendant QWEST. (Attachments: # (1) Exhibit 1 -Centillion Opening Appeal Brief (2/19/2010), # (2) Exhibit 2 - Centillion Response & Reply Appeal Brief (6/11/2010), # (3) Exhibit 3 - Centillion's Amended & Suppl. Responses to Qwest 1st Set of Rogs (12/23/2008), # (4) Exhibit 5 - eBC Data File Layout/Schema, # (5) Exhibit 6 - Depo. Testimony of J. Birbeck (11/12/2008), # (6) Exhibit 7 - Depo. Testimony of V. Ashok (11/19-21/2008), # (7) Exhibit 8 - Reply Expert Report of J. Grimes (2/26/2009), # (8) Exhibit 9 - Expert Report of J. Grimes (1/8/2009), # (9) Exhibit 10 - Depo. Testimony of V. Ashok (4/26/2006), # (10) Exhibit 11 - Depo. Testimony of J. Grimes (3/13/2009), # (11) Exhibit 12 - eBC Companion FAQ, # (12) Exhibit 13 - Internal Qwest Email (7/8/2002), # (13) Exhibit 14 - QCC's 14th Suppl. Resp. to Centillion 1st Set of Rogs (10/23/2009), # (14) Exhibit 15 - eBC Technical Information, # (15) Exhibit 16 - Logic 2.0 Customer Support Training Guide, # (16) Exhibit 17 - Depo. Testimony of V. Ashok (3/1/2007))(Belusko, Vincent) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</i>
09/16/2011	<u>884</u>		*** SEALED PER <u>895</u> ENTRY OF 10/19/11 *** SEALED <i>Memorandum In Support of Motion for Summary Judgment of Non-Infringement, re 880 Motion for Summary Judgment, filed by Defendant QWEST. (Belusko, Vincent) Modified on 10/20/2011 (TMA). (Entered: 09/16/2011)</i>
09/16/2011	<u>885</u>	 28.77KB	MOTION to Seal Document <u>884</u> SEALED Document, <u>883</u> SEALED Document, <u>881</u> SEALED Document, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 09/17/2011)
10/17/2011	<u>886</u>		*** SEALED PER <u>907</u> ORDER OF 11/23/11 *** SEALED <i>Centillion Data Systems, LLC's and CTI Group (Holdings) Inc.'s Brief in Opposition to Qwest's Motion for Summary Judgment of Non-Infringement, re 880 Motion for Summary Judgment, filed by Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.. (Attachments: # (1) Exhibit 1 -- CTI's Response and Reply Brief filed in the Court of Appeals, # (2) Exhibit 2 -- Deposition Transcript of Venkat Ashok, November 19,</i>











			2008, # (3) Exhibit 3 -- Deposition Transcript of Venkat Ashok, April 26, 2006, # (4) Exhibit 4 -- Logic 2.0 User Manual (June 2001), # (5) Exhibit 5 -- Deposition Transcript of Venkat Ashok, March 1, 2007, # (6) Exhibit 6 -- Deposition Transcript of Venkat Ashok, November 21, 2008, # (7) Exhibit 7 -- eBill Companion 1.0 User Manual (February 2004), # (8) Exhibit 8 -- Qwests 11th Supplemental Response to Interrogatory 11, # (9) Exhibit 9 -- E-mail regarding On Demand Files (4/25/03), # (10) Exhibit 10 -- E-mail regarding Feedback PAC Code Reports (2/10/03), # (11) Exhibit 11 -- E-mail regarding Embassy Accounting Code Problem (account 1021049) (11/24/03), # (12) Exhibit 12 -- E-mail regarding Perry Johnson Needing help! (10/24/02), # (13) Exhibit 13 -- E-mail regarding Question (1/19/06), # (14) Exhibit 14 -- E-mail regarding Question for you (10/5/06))(Fowler, Phillip) Modified on 11/23/2011 (TMA). (Entered: 10/17/2011)
10/17/2011	<u>887</u>		*** SEALED PER 907 ORDER OF 11/23/11 *** SEALED Declaration of Dr. Jack D. Grimes in Support of Centillion's Opposition to Qwest's Motion for Summary Judgment of Non-Infringement, re <u>880</u> Motion for Summary Judgment, <u>886</u> SEALED Document, filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit A -- Qwest Alternate Media Support Group Training Manual, # (2) Exhibit B -- E-Mail regarding Help -- Identifying column headings for call detail (12/17/02))(Fowler, Phillip) Modified on 11/23/2011 (TMA). (Entered: 10/17/2011)
10/17/2011	<u>888</u>	 138.63KB	MOTION to Seal Document <u>886</u> SEALED Document, <u>887</u> SEALED Document <i>Plaintiffs' Motion to Seal Their Brief, Exhibits, and Supporting Papers in Opposition to Qwest's Motion for Summary Judgment of Non-Infringement</i> , filed by Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 10/17/2011)
10/17/2011	<u>889</u>		*** SEALED PER 908 ORDER OF 11/23/11 *** SEALED <i>Opposition to Plaintiff's Motion for Partial Summary Judgment of Infringement</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Defendant QWEST. (Belusko, Vincent) Modified on 11/23/2011 (TMA). (Entered: 10/17/2011)
10/17/2011	<u>890</u>	 3.57MB	DECLARATION of Vincent J. Belusko <i>In Support of Opposition to Plaintiff's Motion for Partial Summary Judgment re <u>871</u> Motion for Partial Summary Judgment by QWEST.</i> (Attachments: # <u>1</u> Exhibit 1 - US Patent No. 5,287,270, # <u>2</u> Exhibit 4 - Rebuttal Expert Rpt of B. Walton (2/6/2009), # <u>3</u> Exhibit 8 - Ashok Depo. Excerpts










			(4/26/2006), # 4 Exhibit 10 - USPTO Office Action (2/24/1993), # 5 Exhibit 12 - USPTO Amendment (7/6/1993))(Belusko, Vincent) (Entered: 10/17/2011)
10/17/2011	<u>891</u>		*** SEALED PER <u>908</u> ORDER OF 11/23/11 *** SEALED <i>Exhibits to the Declaration of Vincent J. Belusko In Support of Opposition to Plaintiff's Motion for Partial Summary Judgment</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Defendant QWEST. (Attachments: # (1) Exhibit 2 - Ashok Depo Excerpts (11/19/2008), # (2) Exhibit Grimes Depo Excerpts (3/13/2009), # (3) Exhibit 5 - Walton Depo Excerpts (3/20/2009), # (4) Exhibit 6 - eBC Technical Information, # (5) Exhibit 7 - Internal Qwest Communication (6/24/2004), # (6) Exhibit 9 - Centillion Appeal Brief Excerpts (2/19/2010), # (7) Exhibit 11, Part One - Xtend Commun. Article (Feb. 2008), # (8) Exhibit 11, Part Two - Xtend Commun. Article (Feb. 2008), # (9) Exhibit 13 - Decl of D. Briere, # (10) Exhibit 14 - Birbeck Depo Excerpts (11/12/2008), # (11) Exhibit 15 - Centillion Reply Appeal Brief (6/11/2010), # (12) Exhibit 16 - eBC Flow Diagram)(Belusko, Vincent) Modified on 11/23/2011 (TMA). (Entered: 10/17/2011)
10/17/2011	<u>892</u>		*** SEALED PER <u>908</u> ORDER OF 11/23/11 *** SEALED <i>Declaration of Venkat Ashok In Support of Opposition to Motion for Partial Summary Judgment</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Defendant QWEST. (Attachments: # (1) Exhibit A - Welcome Email to Qwest Customers, # (2) Exhibit B - Qwest Produced Doc Describing Benefit of Qwest Billing Analysis App, # (3) Exhibit C - Ashok Depo Excerpts (11/19/2008), # (4) Exhibit D - eBC FAQs, # (5) Exhibit E - Qwest eBC Data Field Layout Chart) (Belusko, Vincent) Modified on 11/23/2011 (TMA). (Entered: 10/17/2011)
10/17/2011	<u>893</u>	 6.28MB	DECLARATION of Venkat Ashok (<i>Exhibit F Only to Ashok Declaration - Non-confidential</i>) re <u>892</u> SEALED Document by QWEST. (Attachments: # <u>1</u> Exhibit F, Part One - eBill Companion User Manual, # <u>2</u> Exhibit F, Part Two - eBill Companion User Manual)(Belusko, Vincent) (Entered: 10/17/2011)
10/17/2011	<u>894</u>	 16.28KB	MOTION to Seal Document <u>891</u> SEALED Document, <u>889</u> SEALED Document, <u>892</u> SEALED Document, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 10/17/2011)
10/19/2011	<u>895</u>	 44.54KB	ORDER granting <u>878</u> Motion to Seal; and granting <u>885</u> Motion to Seal. (See Entry) Signed by Magistrate Judge Denise K. LaRue on 10/19/2011. (TMA) Modified on 10/20/2011 (TMA). (Entered: 10/20/2011)
10/20/2011	<u>896</u>	 173.53KB	Unopposed MOTION for Extension of Time to November 10, 2011 to file reply to <u>871</u> MOTION for Partial Summary Judgment of <i>Infringement</i> , <u>880</u> MOTION for Summary Judgment of <i>Non-Infringement</i> , filed by Defendant QWEST. (Attachments: # <u>1</u> Text of







			Proposed Order)(Riley, James) (Entered: 10/20/2011)
10/24/2011	<u>897</u>	 117.56KB	ORDER granting <u>896</u> Motion for Extension of Time to File Reply to 11/10/2011 re <u>880</u> MOTION for Summary Judgment of <i>Non-Infringement</i> , <u>871</u> MOTION for Partial Summary Judgment of <i>Infringement</i> . Signed by Magistrate Judge Denise K. LaRue on 10/24/2011. (TMA) (Entered: 10/25/2011)
11/10/2011	<u>898</u>		*** SEALED PER <u>909</u> ORDER OF 11/23/11 *** SEALED <i>Centillion's Reply to Qwest's Opposition to Centillion's Motion for Partial Summary Judgment of Infringement</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 51 -- portion of 2008 Ashok Depo., # (2) Exhibit 52 -- portion of 2007 Ashok Depo.)(Fowler, Phillip) Modified on 11/23/2011 (TMA). (Entered: 11/10/2011)
11/10/2011	<u>899</u>		*** SEALED PER <u>909</u> ORDER OF 11/23/11 *** SEALED <i>Declaration of Dr. Jack D. Grimes in Support of Centillion's Reply to Qwest's Opposition to Centillion's Motion for Partial Summary Judgment of Infringement</i> , re <u>871</u> Motion for Partial Summary Judgment, filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 11/23/2011 (TMA). (Entered: 11/10/2011)
11/10/2011	<u>900</u>	 135.86KB	MOTION to Seal Document <u>899</u> SEALED Document, <u>898</u> SEALED Document <i>Centillion's Reply to Qwest's Opposition to Centillion's Motion for Partial Summary Judgment of Infringement</i> , filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimant CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 11/10/2011)
11/10/2011	<u>901</u>		*** SEALED PER <u>910</u> ORDER OF 11/23/11 *** SEALED <i>Reply in Support of</i> , re <u>880</u> Motion for Summary Judgment, <u>884</u> SEALED Document, filed by Defendant QWEST. (Belusko, Vincent) Modified on 11/23/2011 (TMA). (Entered: 11/10/2011)
11/10/2011	<u>902</u>	 18.40KB	MOTION to Seal Document <u>901</u> SEALED Document, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 11/10/2011)
11/21/2011	<u>903</u>		*** SEALED PER <u>911</u> ORDER OF 11/23/11 *** SEALED <i>Sur-Reply to Qwest's Reply in Support of its Motion for Summary Judgment of Non-Infringement</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # (1) Exhibit 1 - Grimes Dep. 9:18-20:9)(Fowler, Phillip) Modified on 11/23/2011 (TMA).

			(Entered: 11/21/2011)
11/21/2011	<u>904</u>	 51.32KB	MOTION to Seal Document <u>903</u> SEALED Document <i>Sur-Reply to Qwest's Reply in Support of Qwest's MSJ of Non-Infringement</i> , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 11/21/2011)
11/21/2011	<u>905</u>		*** SEALED PER <u>912</u> ORDER OF 11/23/11 *** SEALED <i>Surreply in Opposition to Centillion Data Systems, LLC's Motion for Partial Summary Judgment of Infringement</i> , filed by Defendant QWEST. (Attachments: # (1) Exhibit 1 - Page from Qwest Training Manual, # (2) Exhibit 2 - Grimes Depo. Excerpts (3/13/2009))(Belusko, Vincent) Modified on 11/23/2011 (TMA). (Entered: 11/21/2011)
11/21/2011	<u>906</u>	 20.65KB	MOTION to Seal Document <u>905</u> SEALED Document, filed by Defendant QWEST. (Attachments: # <u>1</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 11/21/2011)
11/23/2011	<u>907</u>	 95.48KB	ORDER granting <u>888</u> Motion to File Under Seal their Brief, exhibits, and supporting papers, including the Declaration of Jack Grimes, with exhibits, offered in opposition to Qwest's Motion for Summary Judgment of Non-infringement (<u>886</u> and <u>887</u>). Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
11/23/2011	<u>908</u>	 288.80KB	ORDER granting <u>894</u> Motion to File Under Seal its Brief in Opposition to Plaintiffs Motion for Partial Summary Judgment of Infringement, certain exhibits to the Declaration of Vincent J. Belusko and the Declaration of Venkat Ashok and certain exhibits thereto in support of its Opposition Brief (<u>891</u> , <u>892</u>], and <u>889</u>). Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
11/23/2011	<u>909</u>	 124.04KB	ORDER granting <u>900</u> Motion to File Under Seal Centillion's Reply to Qwest's Opposition to Centillion's Motion for Partial Summary Judgment of Infringement, along with the exhibits thereto and the Reply Declaration of Dr. Jack D. Grimes filed in support thereof (<u>898</u> and <u>899</u>). Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
11/23/2011	<u>910</u>	 110.27KB	ORDER granting <u>902</u> Motion to File Under Seal its <u>901</u> Reply in Support of their Motion For Summary Judgment of Non-infringement. Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
11/23/2011	<u>911</u>	 61.40KB	ORDER granting <u>904</u> Motion to File Under Seal <u>903</u> Centillion's Sur-Reply to Qwest's Reply in Support of Qwest's Motion for Summary Judgment of Non-Infringement, along with an exhibit. Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
11/23/2011	<u>912</u>		ORDER granting <u>906</u> Motion to File Under Seal its <u>905</u> Surreply In Opposition To Centillion Data Systems, LLC's Motion For Partial

		 112.27KB	Summary Judgment Of Infringement and Supporting Exhibits Thereto. Signed by Magistrate Judge Denise K. LaRue on 11/23/2011. (TMA) (Entered: 11/23/2011)
01/06/2012	<u>913</u>	 72.89KB	NOTICE of Change of Law Firm Name by David C. Campbell (Campbell, David) (Entered: 01/06/2012)
06/15/2012	<u>914</u>	 1.36MB	NOTICE of Supplemental Authority, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC (Attachments: # <u>1</u> Exhibit A (Toshiba Corp. v. Imation Corp.)) (Fowler, Phillip) (Entered: 06/15/2012)
06/21/2012	<u>915</u>	 157.69KB	RESPONSE , re <u>914</u> Notice (Other), filed by Defendant QWEST, Consol Plaintiffs QWEST COMMUNICATIONS CORPORATION, QWEST CORPORATION. (Riley, James) (Entered: 06/21/2012)
06/26/2012	<u>916</u>		*** WITHDRAWN PER <u>919</u> ORDER OF 7/17/12 *** RESPONSE (REPLY TO QWEST'S RESPONSE TO CENTILLION'S NOTICE OF SUPPLEMENTAL AUTHORITY), re <u>914</u> Notice (Other), <u>915</u> Response, filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) Modified on 7/17/2012 (TMA). (Entered: 06/26/2012)
06/26/2012	<u>917</u>	 228.89KB	MOTION to Withdraw <u>916</u> Response , filed by Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- CORRECTED -- CENTILLION'S REPLY TO QWEST'S RESPONSE TO CENTILLION'S NOTICE OF SUPPLEMENTAL AUTHORITY, # <u>2</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 06/26/2012)
07/09/2012	<u>918</u>	 66.29KB	MOTION for Leave to File a Sur-Reply to Centillion's Reply In Support of Its Notice of Supplemental Authority, filed by Defendant QWEST. (Attachments: # <u>1</u> Exhibit A - Proposed Sur-reply, # <u>2</u> Text of Proposed Order)(Belusko, Vincent) (Entered: 07/09/2012)
07/17/2012	<u>919</u>	 96.74KB	ORDER granting <u>917</u> Motion to Withdraw <u>916</u> Reply to Qwest's Response to Centillion's Notice of Supplemental Authority. Signed by Magistrate Judge Denise K. LaRue on 7/17/2012. (TMA) (Entered: 07/17/2012)
07/17/2012	<u>920</u>	 99.22KB	REPLY re <u>914</u> NOTICE OF SUPPLEMENTAL AUTHORITY, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (TMA) (Entered: 07/17/2012)
07/17/2012	<u>921</u>	 145.04KB	MOTION (Centillion's Renew Motion for Oral Argument on Motions for Summary Judgment), filed by Consol Defendants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC., Counter Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC, Counter Claimants CENTILLION DATA SYSTEMS, LLC, CITI GROUP (HOLDINGS) INC.. (Attachments: # <u>1</u> Text of Proposed Order) (Fowler, Phillip) (Entered: 07/17/2012)

09/05/2012	<u>922</u>	 459.05KB	NOTICE of Supplemental Authority, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC, re <u>871</u> MOTION for Partial Summary Judgment of Infringement. (Attachments: # <u>1</u> Exhibit A -- Slip Opinion) (Fowler, Phillip) (Entered: 09/05/2012)
09/14/2012	<u>923</u>	 54.65KB	RESPONSE to Centillion's Notice of Supplemental Authority, filed by Defendant QWEST. (Belusko, Vincent) (Entered: 09/14/2012)
09/14/2012	<u>924</u>	 360.23KB	NOTICE of Supplemental Authority, filed by Defendant QWEST (Attachments: # <u>1</u> Exhibit A - Mirror Worlds, LLC v. Apple, Inc.) (Belusko, Vincent) (Entered: 09/14/2012)
09/20/2012	<u>925</u>	 90.83KB	RESPONSE TO QWEST'S NOTICE OF SUPPLEMENTAL AUTHORITY, re <u>924</u> Notice (Other), filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 09/20/2012)
09/20/2012	<u>926</u>	 95.42KB	RESPONSE re <u>922</u> Notice (Other) (CENTILLION'S REPLY TO QWEST'S RESPONSE TO NOTICE OF SUPPLEMENTAL AUTHORITY), filed by Consol Defendant CENTILLION DATA SYSTEMS, LLC, Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 09/20/2012)
09/28/2012	<u>927</u>	 75.69KB	***ORDER IS VACATED PER ORDER OF 10/4/2012***ORDER denying <u>871</u> Motion for Partial Summary Judgment; denying <u>879</u> Motion for oral argument; granting <u>880</u> Motion for Summary Judgment; denying <u>918</u> Motion for Leave to File sur-reply; denying <u>921</u> Motion for oral argument. Signed by Judge Larry J. McKinney on 9/28/2012. (CBU) Modified on 10/4/2012 (CBU). (Entered: 09/28/2012)
10/04/2012	<u>928</u>	 27.44KB	ORDER VACATING re <u>927</u> Order. A new amended Order shall issue within 30 days (on the Courts own motion). Signed by Judge Larry J. McKinney on 10/4/2012.(CBU) (Entered: 10/04/2012)
10/15/2012	<u>929</u>	 87.57KB	ORDER denying <u>871</u> Motion for Partial Summary Judgment; denying <u>879</u> Motion for oral argument; granting <u>880</u> Motion for Summary Judgment; denying <u>918</u> Motion for Leave to File supplemental authority; denying <u>921</u> Motion for oral arguments. Signed by Judge Larry J. McKinney on 10/15/2012. (CBU) (Entered: 10/15/2012)
10/15/2012	<u>930</u>	 27.73KB	CLOSED JUDGMENT -The Court granted s/j in favor of defts Qwest Communications International and Qwest Corp and against pltf-Centillion Data Systems on pltf's claims that defts infringed US Patent 5,287,270. Pltf shall take nothing by way of its complt. All claims having been resolved on the merits, Judgment is entered accordingly. Each party shall bear its own costs. Signed by Judge Larry J. McKinney on 10/15/2012.(CBU) (Entered: 10/15/2012)
10/23/2012	<u>931</u>	 172.40KB	MOTION to Amend/Correct Entry of Judgment Dated October 15, 2012, filed by Defendant QWEST, Consol Plaintiff QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of

			Proposed Order)(Riley, James) (Entered: 10/23/2012)
10/23/2012	<u>932</u>	 159.68KB	MOTION for Reconsideration of <i>Entry of Judgment Dated October 15, 2012</i> , filed by Defendant QWEST, Consol Plaintiff QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order)(Riley, James) (Entered: 10/23/2012)
10/30/2012	<u>933</u>	 26.11KB	ORDER granting <u>931</u> Motion to Amend Entry of Judgment and granting <u>932</u> Motion for Reconsideration. Signed by Judge Larry J. McKinney on 10/30/2012. (CBU) (Entered: 10/31/2012)
10/30/2012	<u>934</u>	 59.92KB	AMENDED ENTRY OF JUDGMENT - The pltf shall take nothing by way of its complt. Deft Qwest is hereby awarded its costs in the amount of \$251,245.95 as set forth at docket #830. Signed by Judge Larry J. McKinney on 10/30/2012.(CBU) (Entered: 10/31/2012)
11/05/2012	<u>935</u>	 136.52KB	MOTION for Reconsideration re <u>933</u> Order on Motion to Amend/CorrectOrder on Motion for Reconsideration , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Text of Proposed Order)(Fowler, Phillip) (Entered: 11/05/2012)
11/05/2012	<u>936</u>	 98.42KB	BRIEF/MEMORANDUM in Support re <u>935</u> MOTION for Reconsideration re <u>933</u> Order on Motion to Amend/CorrectOrder on Motion for Reconsideration , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 11/05/2012)
11/13/2012	<u>937</u>	 1.27MB	NOTICE OF APPEAL as to <u>933</u> Order on Motion to Amend/CorrectOrder on Motion for Reconsideration, <u>929</u> Order on Motion for Partial Summary JudgmentOrder on Motion for Summary JudgmentOrder on Motion for Leave to File, <u>934</u> Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Amended Entry of Judgment, # <u>2</u> Exhibit B -- Order dated 10-15-12, # <u>3</u> Exhibit C -- Order dated 10-30-12)(Fowler, Phillip) (Entered: 11/13/2012)
11/13/2012	<u>938</u>	 55.37KB	Appeal Fees received \$ 455 receipt number IP032790 re <u>937</u> Notice of Appeal filed by CENTILLION DATA SYSTEMS, LLC. (TMA) (Entered: 11/14/2012)
11/14/2012	<u>939</u>	 1.02MB	FEDERAL CIRCUIT APPEAL INFORMATION SHEET re <u>937</u> Notice of Appeal - Instructions for Attorneys - Parties' Short Record, Instructions, and Designation of Record information attached. Short Record sent via US Mail to Federal Circuit Court of Appeals. (TMA) Modified on 11/14/2012 (TMA). (Entered: 11/14/2012)
11/16/2012	<u>940</u>	 72.11KB	RESPONSE in Opposition re <u>935</u> MOTION for Reconsideration re <u>933</u> Order on Motion to Amend/CorrectOrder on Motion for Reconsideration , filed by Defendant QWEST. (Attachments: # <u>1</u> Affidavit Declaration of Vincent J. Belusko ISO Response to Centillion's Motion to Reconsider, # <u>2</u> Text of Proposed Order) (Belusko, Vincent) (Entered: 11/16/2012)

11/20/2012	<u>941</u>	 25.77KB	ORDER granting in part and denying in part <u>935</u> Motion for Reconsideration: To the extent the motion asks the Court to review its prior entry in light of Centillion's arguments, the motion is granted; to the extent the motion seeks an amendment to the Court's order on costs the motion is denied. Signed by Judge Larry J. McKinney on 11/20/2012. (CBU) (Entered: 11/20/2012)
11/30/2012	<u>942</u>	 1.34MB	AMENDED NOTICE OF APPEAL as to <u>933</u> Order on Motion to Amend/CorrectOrder on Motion for Reconsideration, <u>929</u> Order on Motion for Partial Summary JudgmentOrder on Motion for Summary JudgmentOrder on Motion for Leave to File, <u>941</u> Order on Motion for Reconsideration, <u>934</u> Judgment, filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Attachments: # <u>1</u> Exhibit A -- Amended Entry of Judgment, # <u>2</u> Exhibit B -- Order dated 10-15-12, # <u>3</u> Exhibit C -- Order dated 10-30-12, # <u>4</u> Exhibit D -- Order on Plaintiff's Motion to Reconsider)(Fowler, Phillip) Modified on 11/30/2012 (TMA). (Entered: 11/30/2012)
12/03/2012	<u>943</u>	 1.04MB	FEDERAL CIRCUIT APPEAL INFORMATION SHEET/SHORT RECORD re <u>942</u> AMENDED Notice of Appeal. (TMA) (Entered: 12/03/2012)
12/03/2012	<u>945</u>	 25.35KB	USCA for the Federal Circuit Case Number 2013-1084 for <u>937</u> Notice of Appeal filed by CENTILLION DATA SYSTEMS, LLC. (TMA) (Entered: 12/04/2012)
12/04/2012	<u>944</u>	 355.58KB	MOTION for Order to Post an Appeal Bond, or in the Alternative, Praecipe for Issuance of Writ of Execution, filed by Defendant QWEST, Consol Plaintiff QWEST COMMUNICATIONS CORPORATION. (Attachments: # <u>1</u> Text of Proposed Order, # <u>2</u> Supplement)(Riley, James) (Entered: 12/04/2012)
12/10/2012	<u>946</u>	 76.62KB	RESPONSE to Motion re 944 MOTION for Order to Post an Appeal Bond, or in the Alternative, Praecipe for Issuance of Writ of Execution , filed by Plaintiff CENTILLION DATA SYSTEMS, LLC. (Fowler, Phillip) (Entered: 12/10/2012)

Case #: 1:04-cv-00073-LJM-DKL

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IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION

FILED

JAN 12 2004

U.S. CLERK'S OFFICE
INDIANAPOLIS, INDIANA

CENTILLION DATA SYSTEMS, LLC

Plaintiff,

v.

Civil Action No. _____

BELLSOUTH CORPORATION,
CONVERGYS CORPORATION,
MID AMERICA COMPUTER
CORPORATION, QWEST,
TELEPHONE DATA SYSTEMS, INC., and
TRAQ-WIRELESS, INC.

Defendants.

1:04-CV-0073 LJM - WTL

**COMPLAINT FOR PATENT INFRINGEMENT
AND DEMAND FOR JURY TRIAL**

Plaintiff, Centillion Data Systems, LLC ("Centillion"), files this Complaint against Defendants BellSouth Corporation, Convergys, Mid America Computer Corporation, Qwest, Telephone Data Systems, Inc. and Traq-Wireless, Inc., and in support thereof, states as follows:

I. JURISDICTION AND VENUE

1. This is a civil action for patent infringement under the laws of the United States, 35 U.S.C. §271 et seq. This Court has original subject matter jurisdiction under 28 U.S.C. §§1331 (federal question), 1332 (diversity of citizenship), and 1338(a) (patent-exclusive jurisdiction).
2. Each Defendant has continuous and systematic contacts with Indiana sufficient to establish personal jurisdiction over it in this Court. Moreover, each Defendant has infringed

Centillion's patent in Indiana by either making, using, selling or offering to sell infringing products in Indiana, including but not limited to, marketing infringing products over the internet and through nationwide marketing efforts. Further, by knowingly inducing others to infringe Centillion's patent in Indiana, contributorily infringing with products that reach Indiana, or shipping infringing products into Indiana through an intermediary or established distribution channel, each Defendant is subject to specific jurisdiction in Indiana.

3. Venue is proper under 28 U.S.C. §§1391(c) and 1400(b), as on information and belief, each Defendant is subject to personal jurisdiction in this district. Further, on information and belief, each Defendant has committed acts of infringement in this district, including contributorily infringing and/or inducing infringement in this district.

II. THE PARTIES

4. Centillion Data Systems, LLC, is a Delaware corporation having its principal place of business at 333 North Alabama Street, Indianapolis, Indiana 46204.

5. On information and belief, Defendant BellSouth Corporation ("BellSouth") is a Georgia corporation with its principal place of business at 1155 Peachtree Street, N.E., Suite 500, Atlanta, GA 30309-3610. BellSouth conducts business in Indiana.

6. On information and belief, Defendant Convergys Corporation ("Convergys") is a Ohio corporation with its principal place of business at 201 E. Fourth Street, Cincinnati, OH 45202. Convergys conducts business in Indiana.

7. On information and belief, Defendant Mid America Computer Corporation ("MACC") is a Nebraska corporation with its principal place of business at 111 Admiral Drive, P.O. Box 700, Blair, NE 68008-0700. MACC conducts business in Indiana, has registered to do

business in Indiana, and has designated its registered agent for service of process as Lante K. Earnest, 135 N. Pennsylvania Street, #2100, Indianapolis, IN 46204.

8. On information and belief, Defendant Qwest is a Colorado corporation with its principal place of business at 1801 California Street, Suite 3800, Denver, CO 80202.

9. On information and belief, Defendant Telephone Data Systems ("TDS") is a Illinois corporation with its principal place of business at 8410 W. Bryn Mawr, Suite 700, Chicago, IL 60631-3486. TDS conducts business in Indiana.

10. On information and belief, Defendant Traq-Wireless, Inc. is a Texas corporation with its principal place of business at 8300 N. Mopac Expressway, Austin, TX 78759. Traq-Wireless conducts business in Indiana, has registered to do business in Indiana, and has designated its registered agent for service of process as National Registered Agents, 320 N. Meridian Street, Indianapolis, IN 46204.

11. The amount in controversy is in excess of \$75,000, exclusive of interest and costs.

12. Upon information and belief, each Defendant is offering for sale, selling, making, and using all or a material part of an infringing method and system for electronic billing, processing, reporting and analysis of telephone charges and/or actively inducing infringement and/or contributorily infringing in this district and elsewhere.

III. INFRINGEMENT OF U.S. PATENT NO. 5,287,270

13. On February 15, 1994, the United States Patent and Trademark Office duly and legally issued United States Letters Patent No. 5,287,270 (the "'270 Patent"), entitled "Billing System," to Compucom Communications Corp. (Compucom Communications Corp. was renamed Centillion Data Systems, Inc. and the '270 Patent was assigned to Centillion, the plaintiff in this matter). A true and correct copy of the '270 Patent is attached as Exhibit A.

14. On information and belief, each Defendant has infringed the '270 Patent in this district and elsewhere by making, using, offering for sale, or selling a method and system for electronic billing, processing, reporting, and analysis of telephone charges and/or has actively induced infringement and/or has contributorily infringed and will continue to do so unless enjoined by the Court.

15. Centillion has placed the required statutory notice on the diskettes containing the system and utilizing the method covered by the '270 Patent.

16. Each Defendant has knowingly, willfully, and deliberately infringed the '270 Patent in conscious disregard of Centillion's rights, making this case exceptional within the meaning of 35 U.S.C. §285 and justifying treble damages pursuant to 35 U.S.C. §284.

17. On information and belief, each Defendant will continue to infringe the '270 Patent, causing immediate and irreparable harm unless this Court enjoins and restrains its activities.

18. On information and belief, the infringement by each Defendant has and will deprive Centillion of sales, profits, royalties, and other related revenue which Centillion would have made or would enjoy in the future, has injured Centillion in other respects, and will cause Centillion added injury and damage, including loss of sales, profits, royalties and other related revenue in the future unless each Defendant is enjoined from infringing Centillion's '270 Patent.

IV. JURY DEMAND

19. Pursuant to Rule 38 of the Federal Rules of Civil Procedure, Centillion demands that the issues in this case be tried by a jury.

V. PRAYER FOR RELIEF

WHEREFORE, Centillion respectfully requests this Court to:

1. Enter judgment for Centillion that U.S. Patent No. 5,287,270 is valid, enforceable, and have been infringed by the Defendants;
2. Issue a permanent injunction restraining the Defendants, their directors, officers, agents, employees, successors, subsidiaries, assigns, and all persons acting in privity or in concert or participation with the Defendants from the continued infringement, direct or contributory, or active inducement of infringement by others, of U.S. Patent No. 5,287,270;
3. Direct the Defendants to file with this Court, and to serve on Centillion, a written report under oath setting forth in detail the manner and form in which each Defendant has complied with the injunction;
4. Order Defendants to account for and to pay to Centillion its actual damages suffered by reason of its infringement of United States Patent No. 5,287,270 and that such damages be trebled due to Defendants' deliberate, willful, and knowing conduct;
5. Order Defendants to pay Centillion its costs, expenses, and fees, including reasonable attorneys' fees pursuant to 35 U.S.C. §285, and pre-judgment and post-judgment interest at the maximum rate allowed by law; and
6. Grant Centillion such other and further relief as the Court may deem just and proper.

Respectfully submitted,

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*Attorneys for Plaintiff, Centillion Data Systems,
LLC*

Dated: January 12, 2004

839825



US003287270A

United States Patent [19]

[11] **Patent Number:** 5,287,270

Hardy et al.

[45] **Date of Patent:** Feb. 15, 1994

[54] **BILLING SYSTEM**

[75] **Inventors:** Robert M. Hardy, Carmel; John M. Cauffman; Lynn S. Cauffman, both of Indianapolis; Robert C. Lovell, Jr., Greenwood; Murray B. Frazier, Indianapolis; Michael L. Johnson, Indianapolis; James W. Dohrenwend, Jr., Indianapolis, all of Ind.

[73] **Assignee:** Compucom Communications Corp., Indianapolis, Ind.

[21] **Appl. No.:** 984,374

[22] **Filed:** Dec. 2, 1992

Related U.S. Application Data

[63] **Continuation of Ser. No. 393,699, Aug. 14, 1989.**

[51] **Int. Cl.:** G06F 15/20; G06G 7/52

[52] **U.S. Cl.:** 364/408; 364/467; 364/464.01

[58] **Field of Search:** 364/401, 406, 408, 464.01, 364/467, 464.03; 902/24; 395/650; 379/90-109, 111

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Primary Examiner—Roy N. Envall, Jr.

Assistant Examiner—Laura Brutman

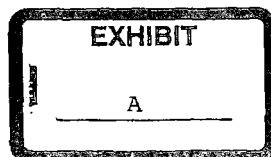
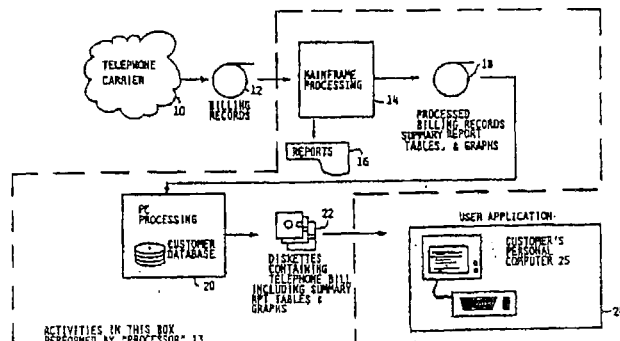
Attorney, Agent, or Firm—Jones, Day, Reavis & Pogue

[57] **ABSTRACT**

Telecommunications or similar bills are prepared on diskette in an optimal format for further processing, display, and analysis on popularly-available, inexpensive personal computers. A telecommunications carrier provides, for participating customers, appropriately selected billing records at the stage in the carrier's ordinary billing process after the carrier has completed all billing activities except actually printing a paper bill. This ensures that the information ultimately supplied on diskette will exactly correspond to that on the paper bill. In a first step, preferably performed on a large computer, the records are sorted, edited and reformatted into an optimal organization for further processing on a personal computer. In addition, a variety of preprocessed summary reports and graphs are prepared for rapid retrieval on the customer's computer. In a second step, preferably performed on a network of smaller computers, the reorganized records and summary reports for each customer are separated, compressed, and recorded on diskettes compatible with each customer's personal computer. A user application program on the customer's computer displays and analyzes the billing information supplied on diskette, including the billing records, preprocessed summary reports and graphs, and prepares new summary reports on demand.

85 Claims, 52 Drawing Sheets

Microfiche Appendix Included
(5 Microfiche, 454 Pages)

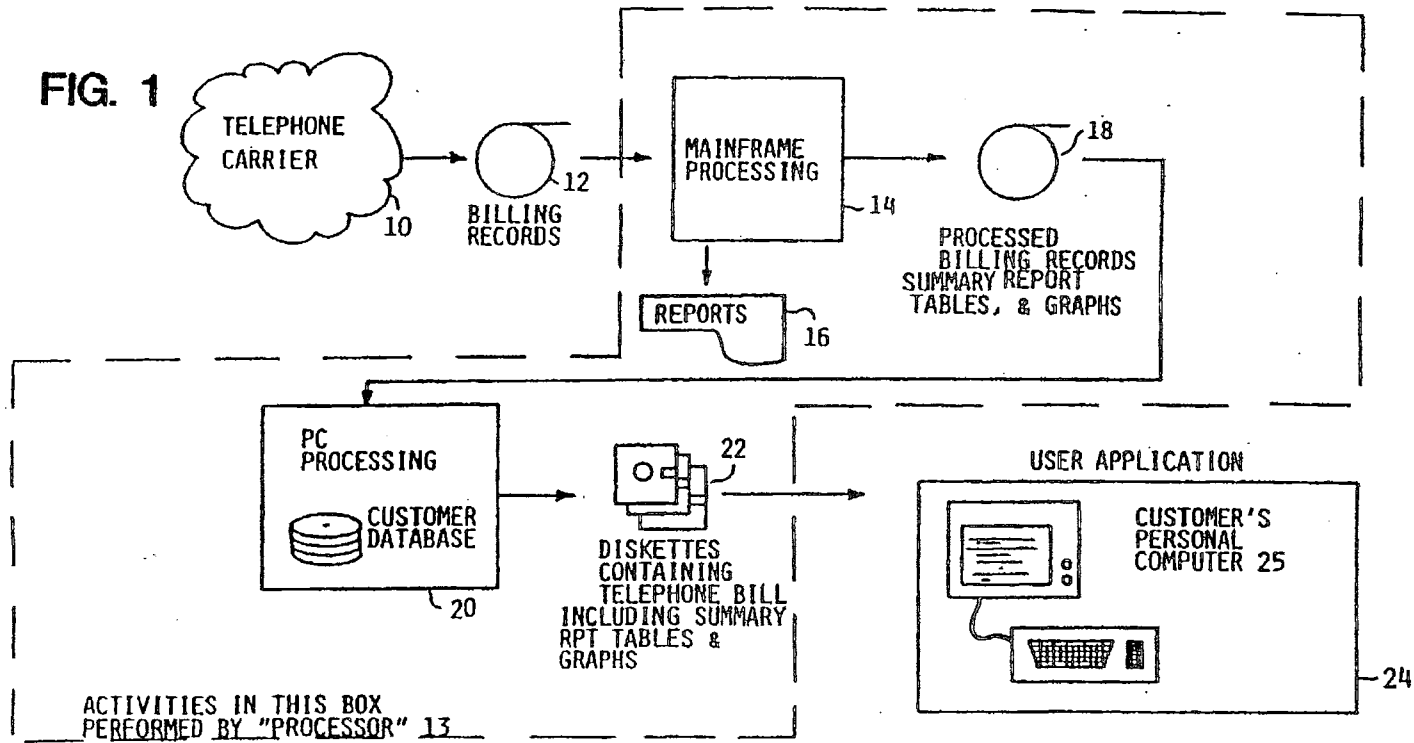


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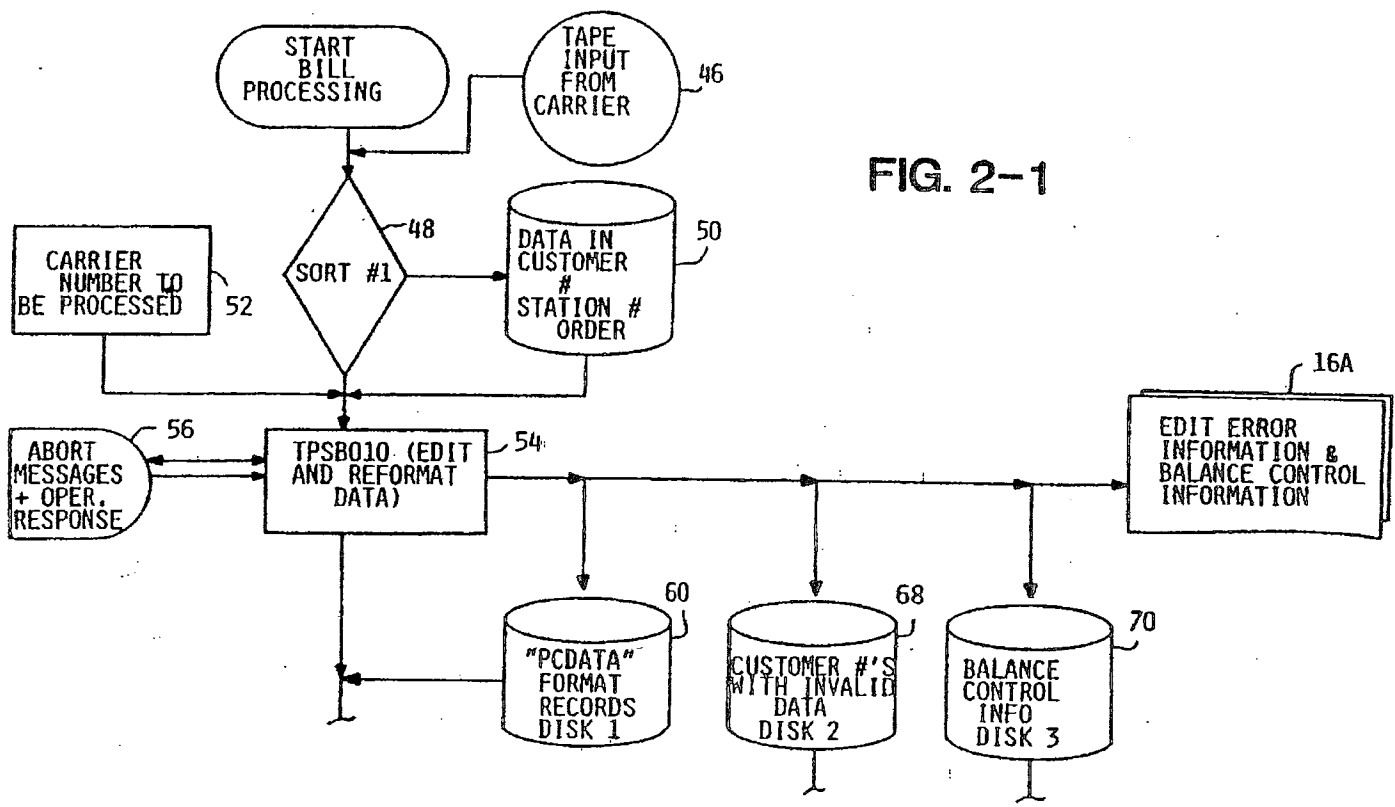
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FIG. 2-1

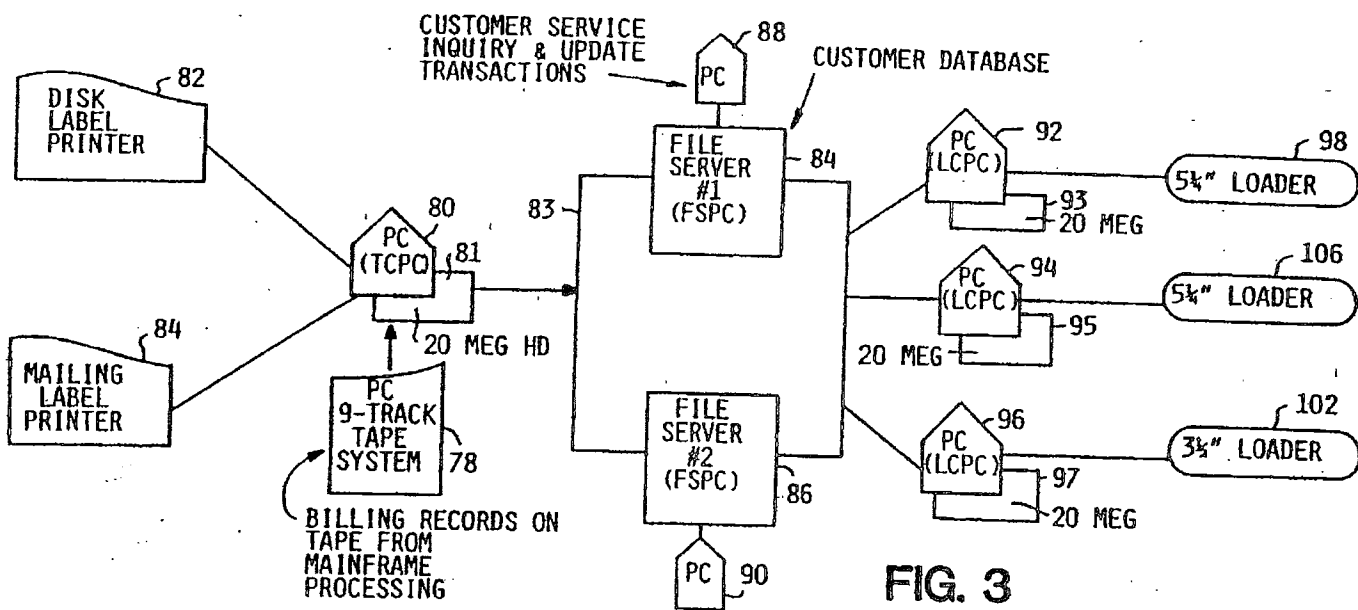


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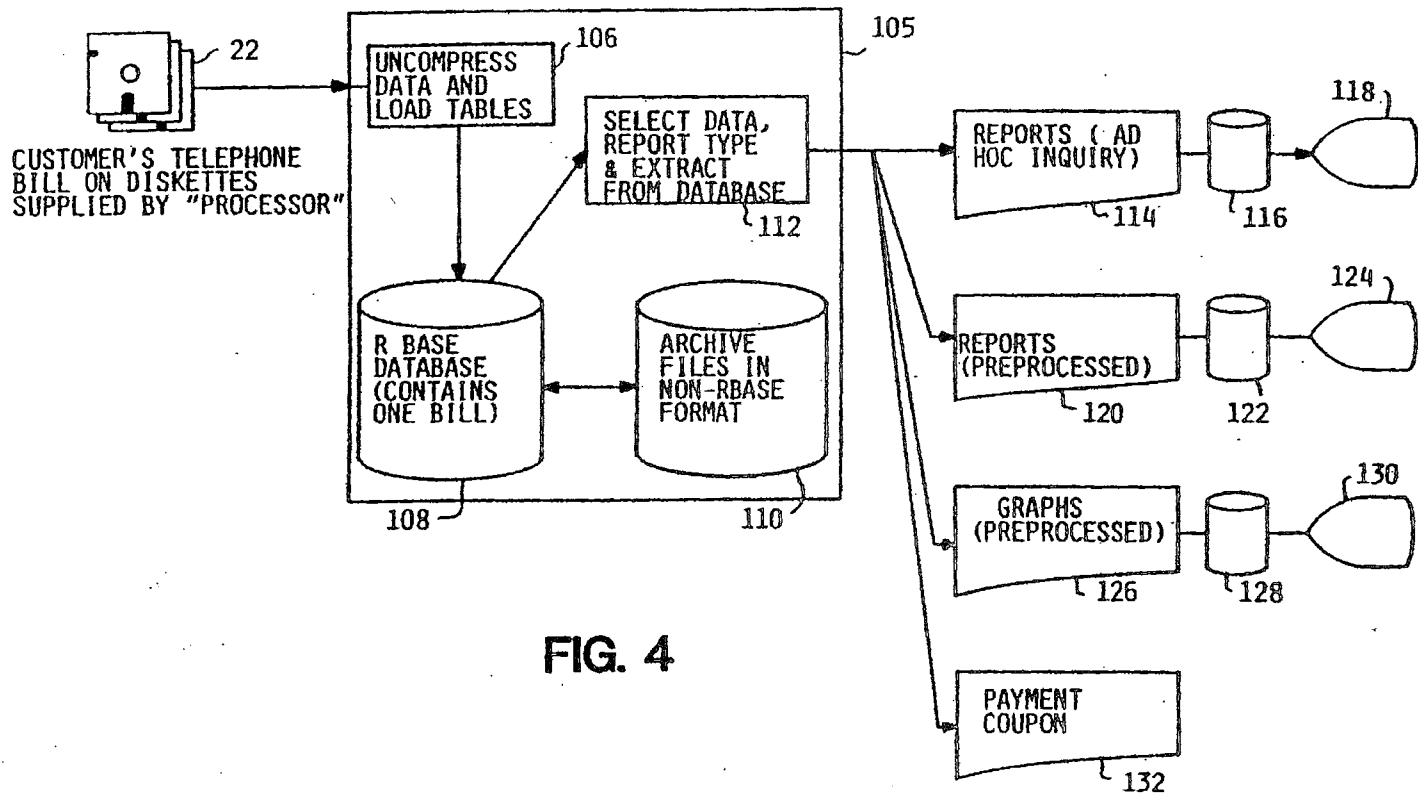


FIG. 4

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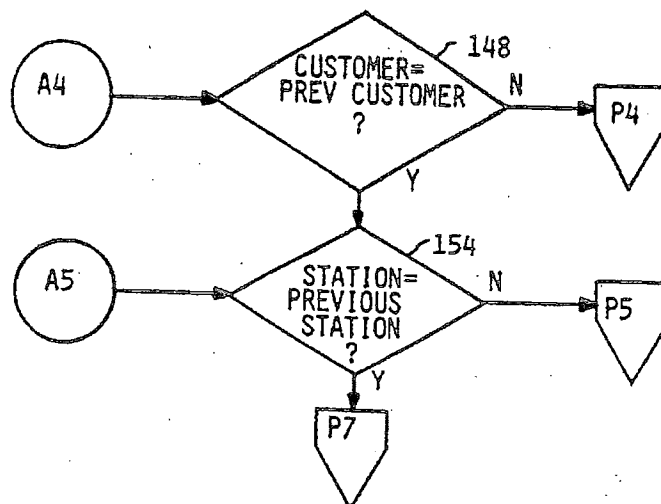
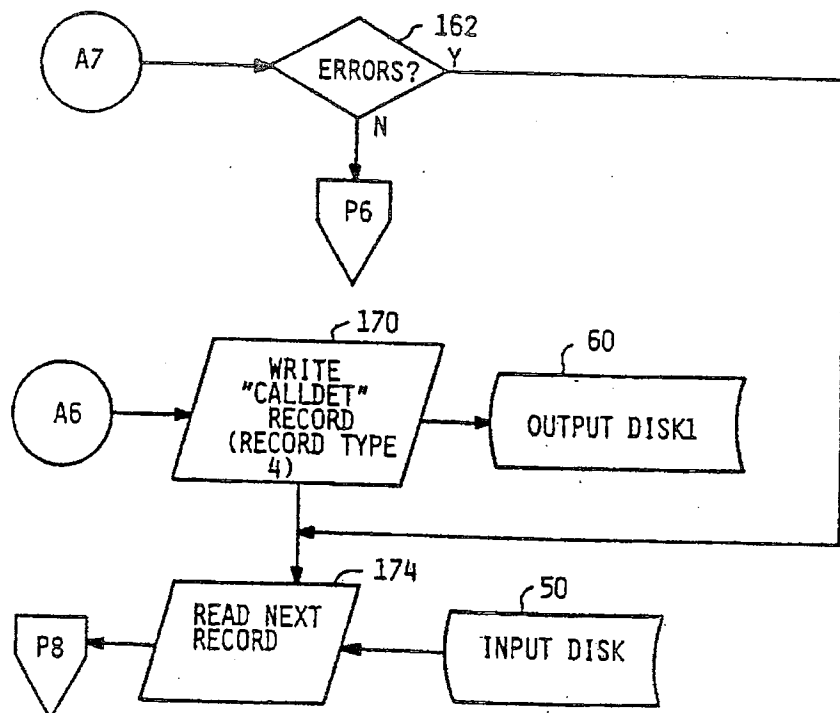


FIG. 5



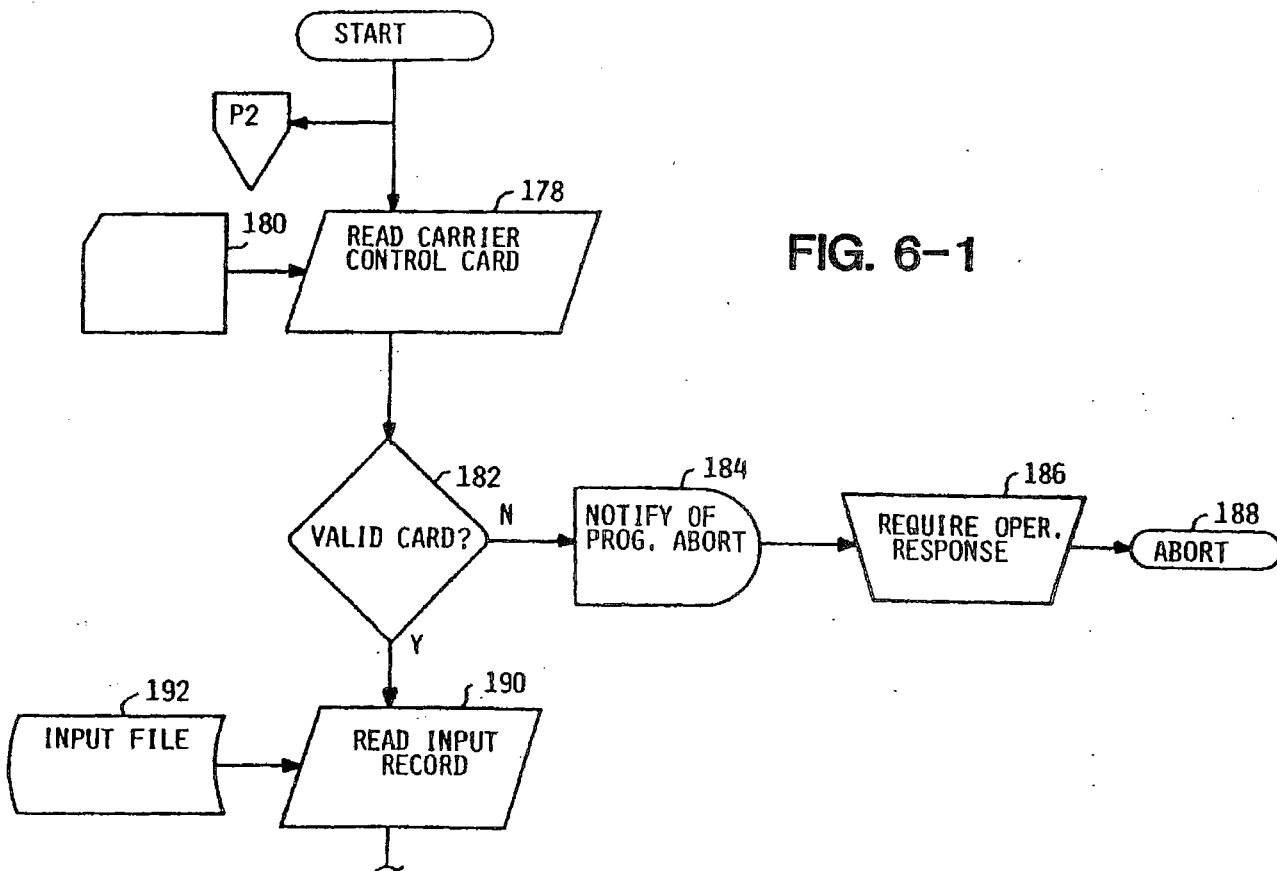
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FIG. 6-1

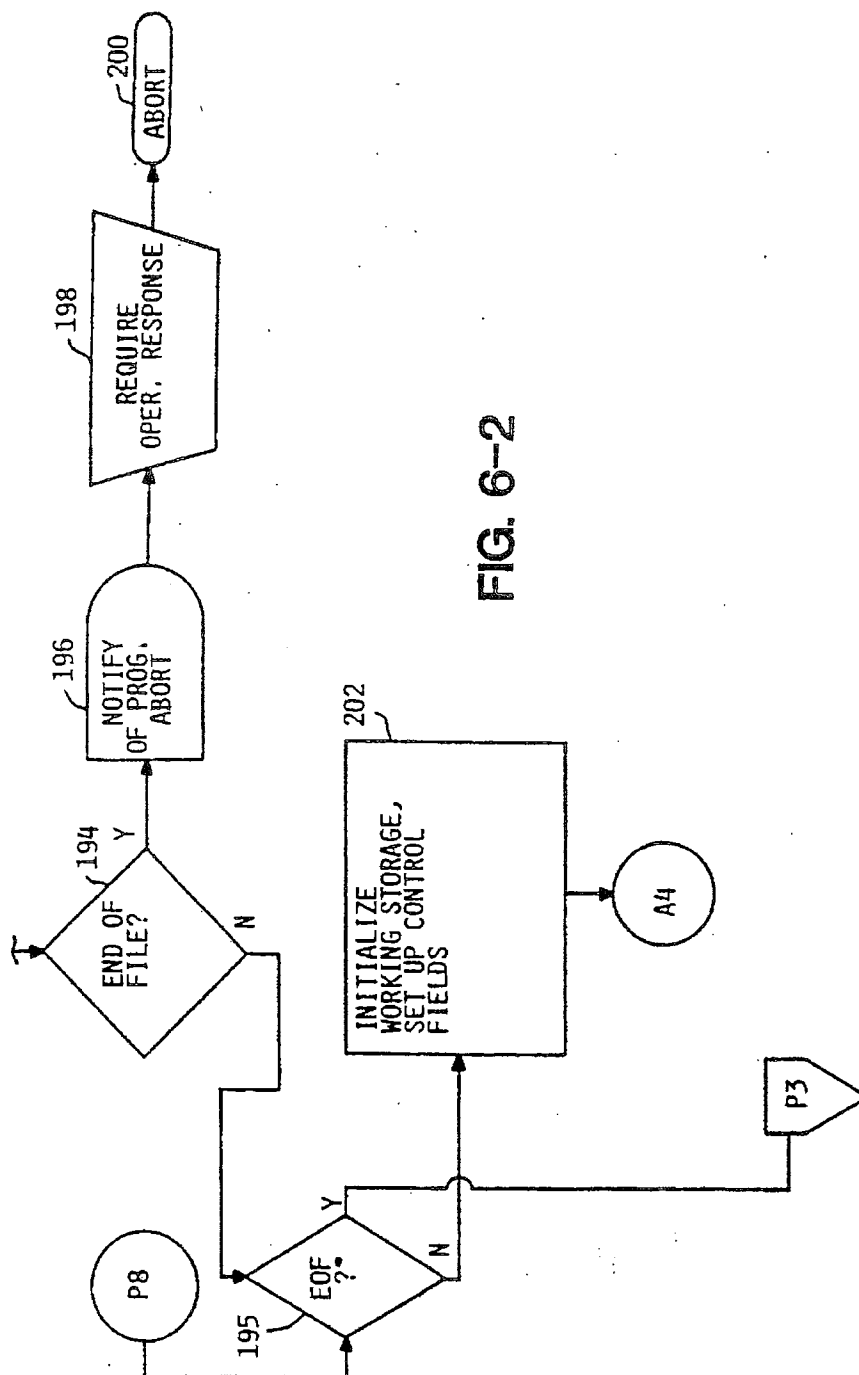


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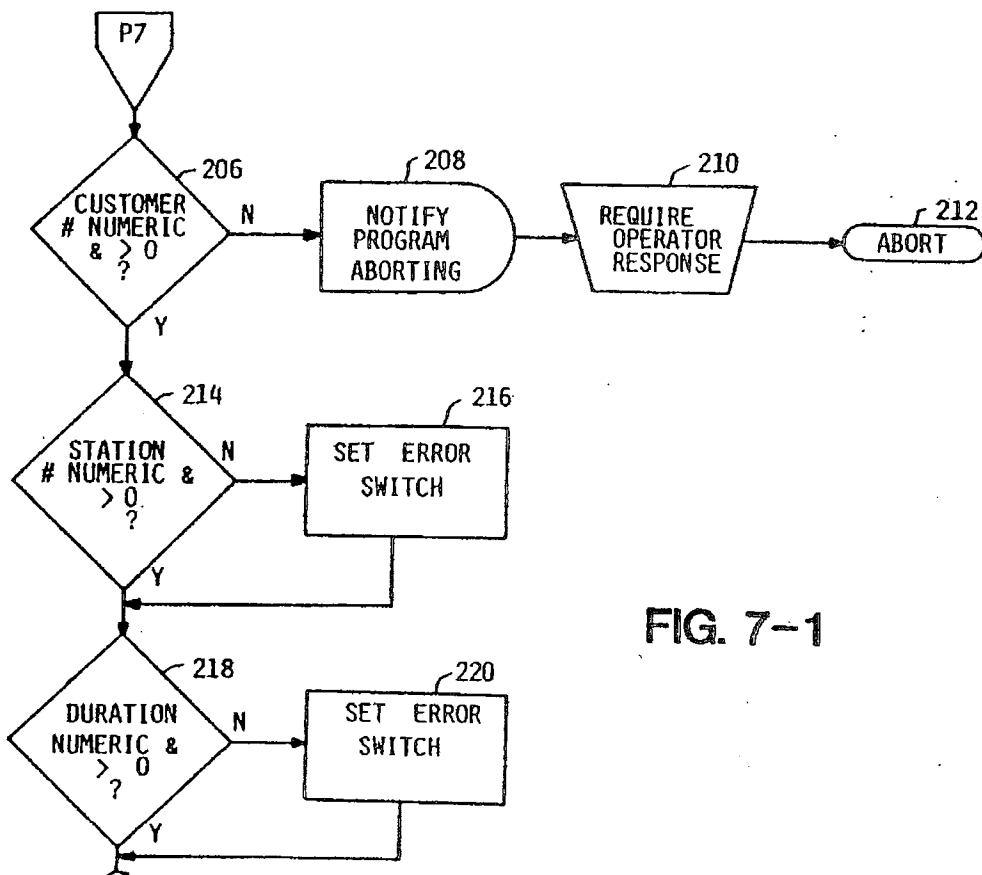


FIG. 7-1

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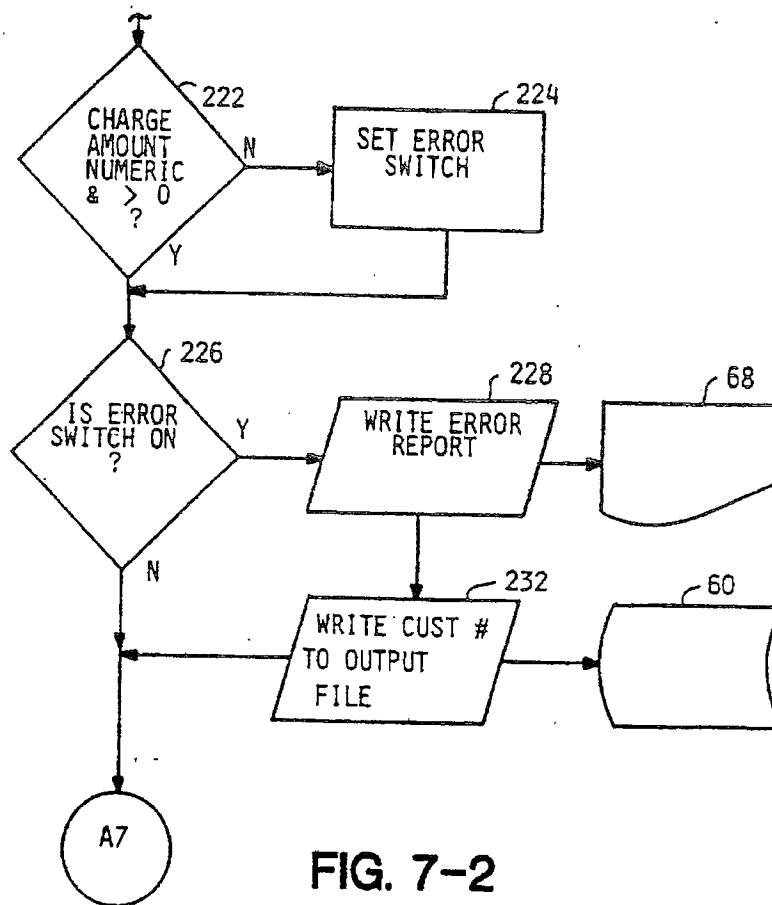


FIG. 7-2

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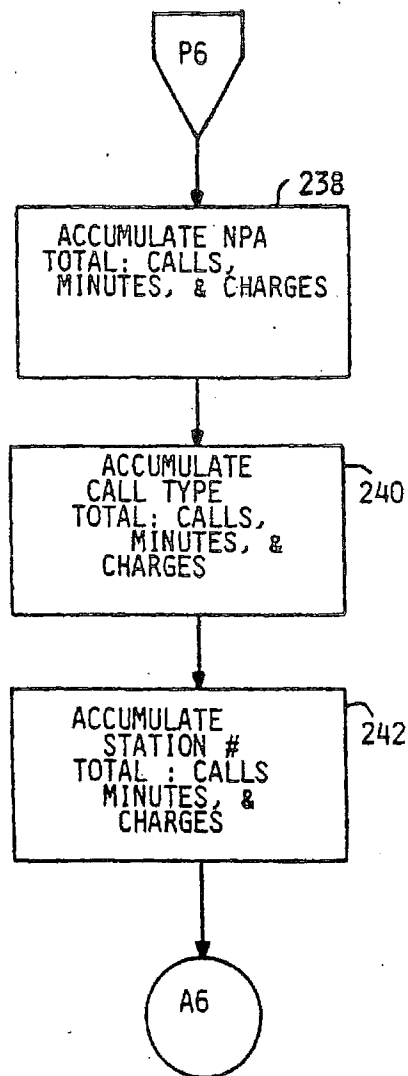


FIG. 8

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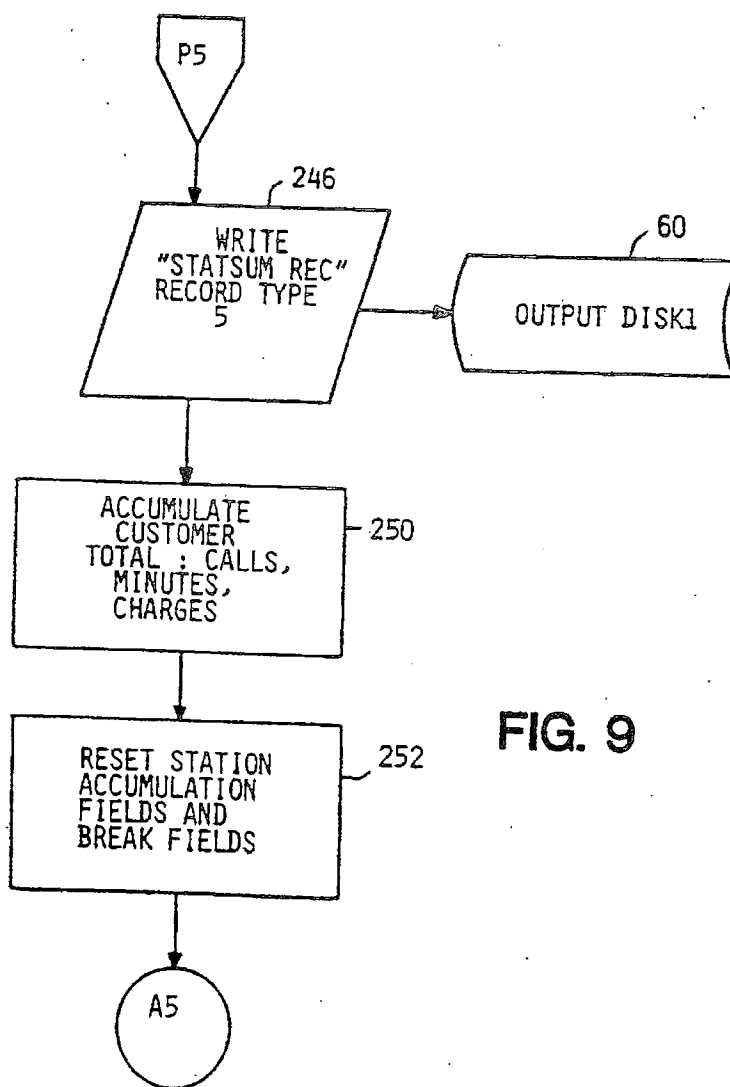


FIG. 9

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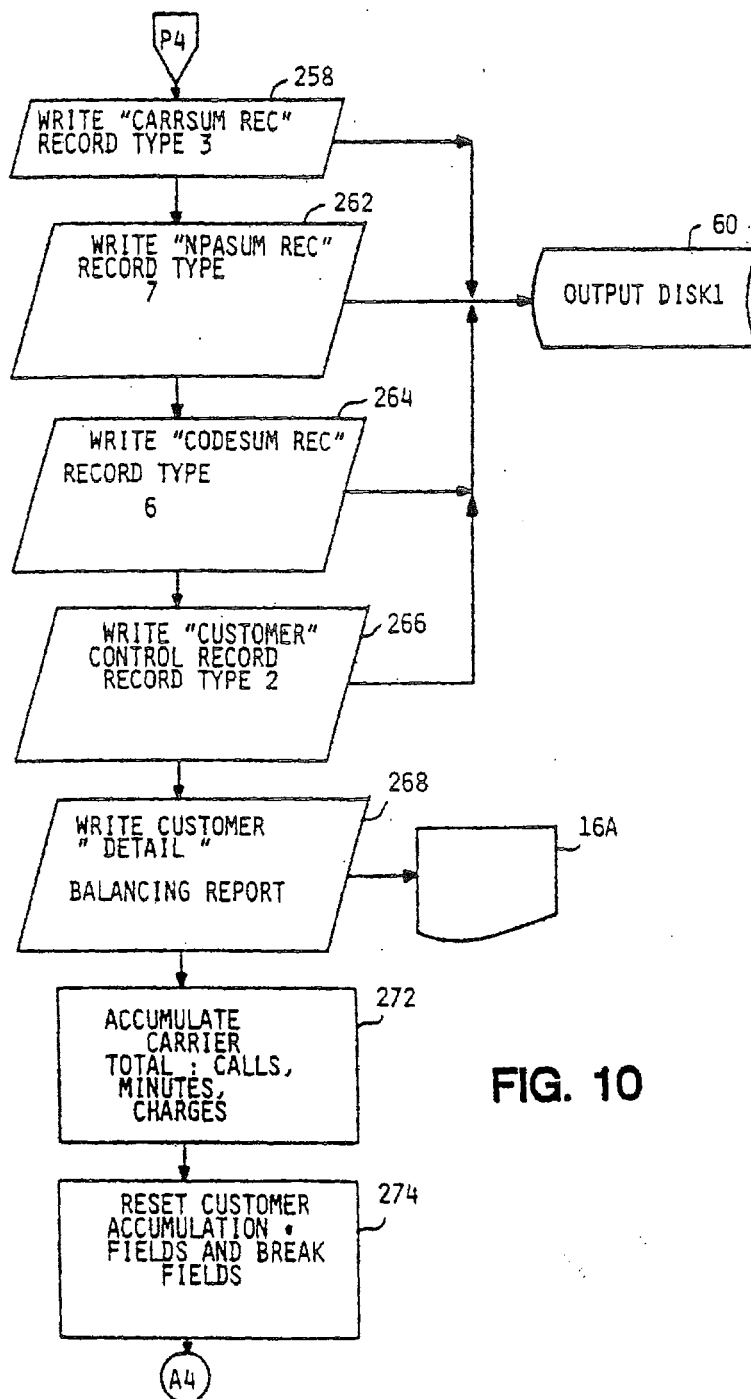


FIG. 10

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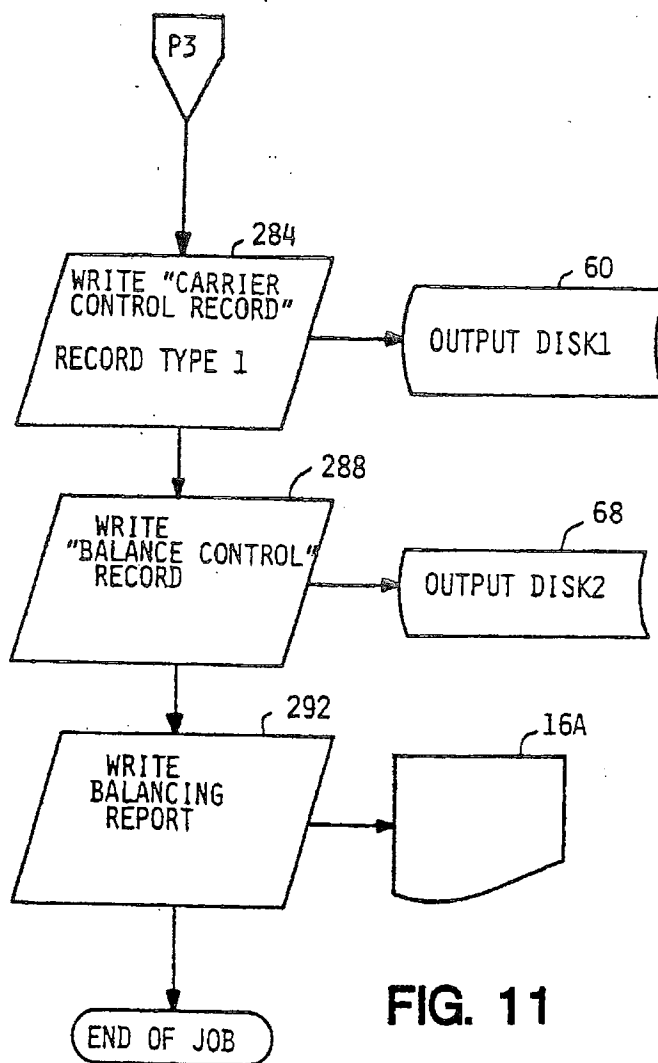
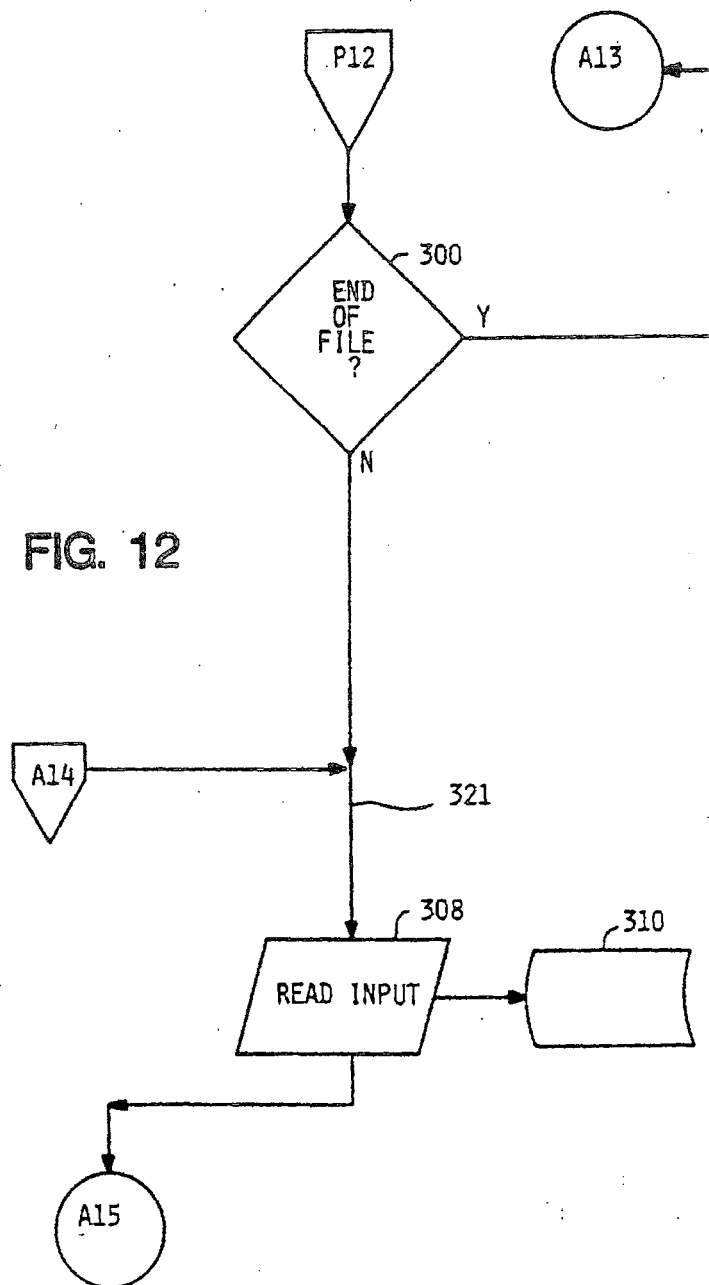


FIG. 11

FIG. 12



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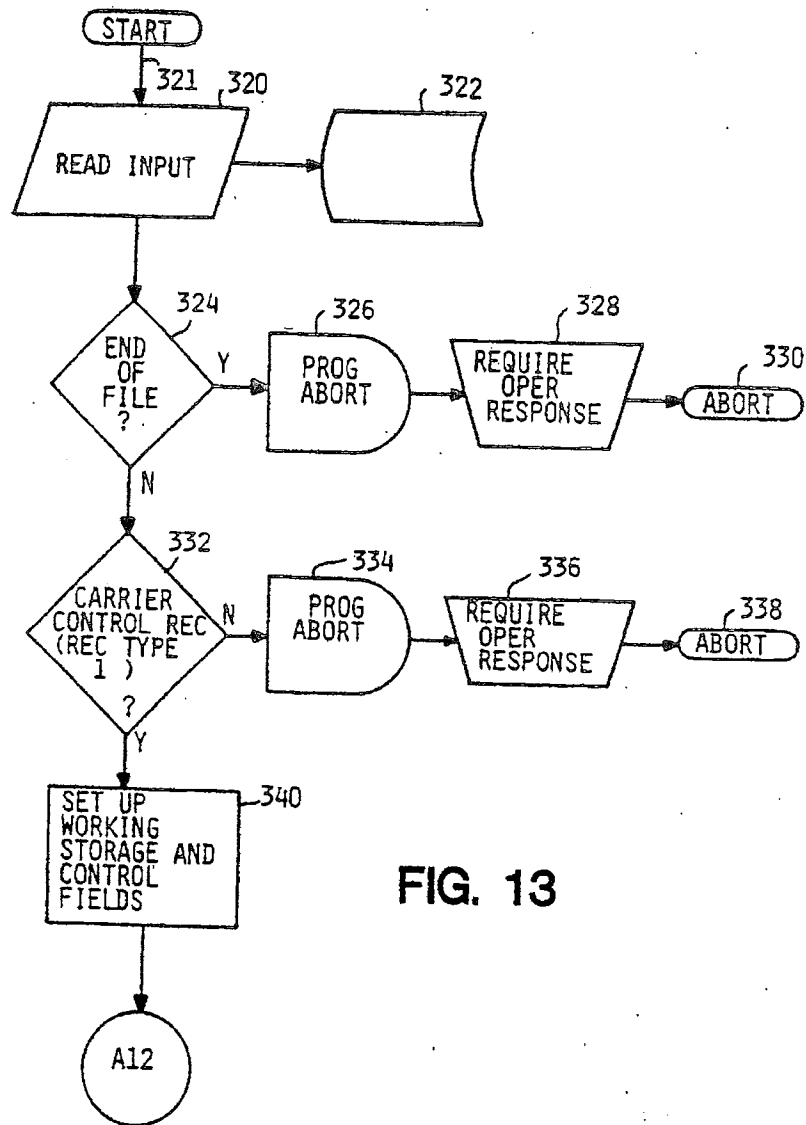


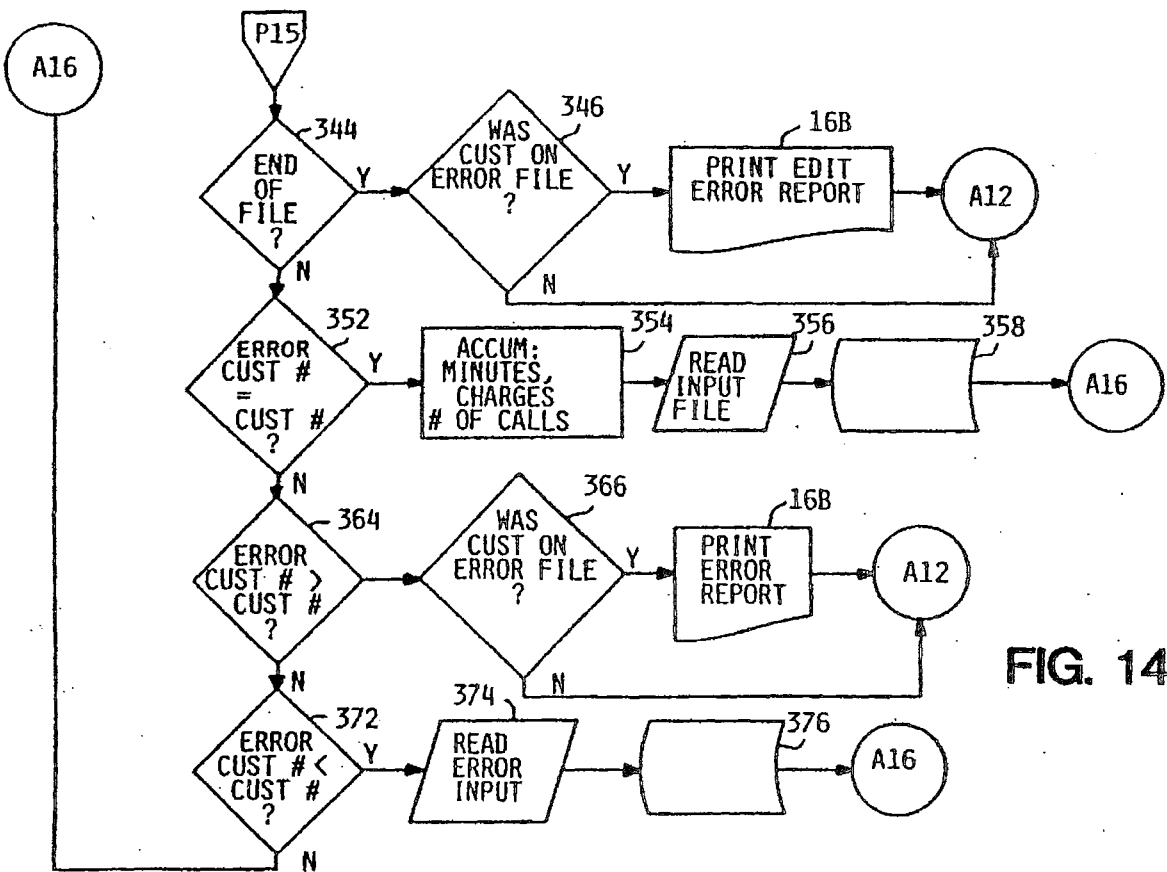
FIG. 13

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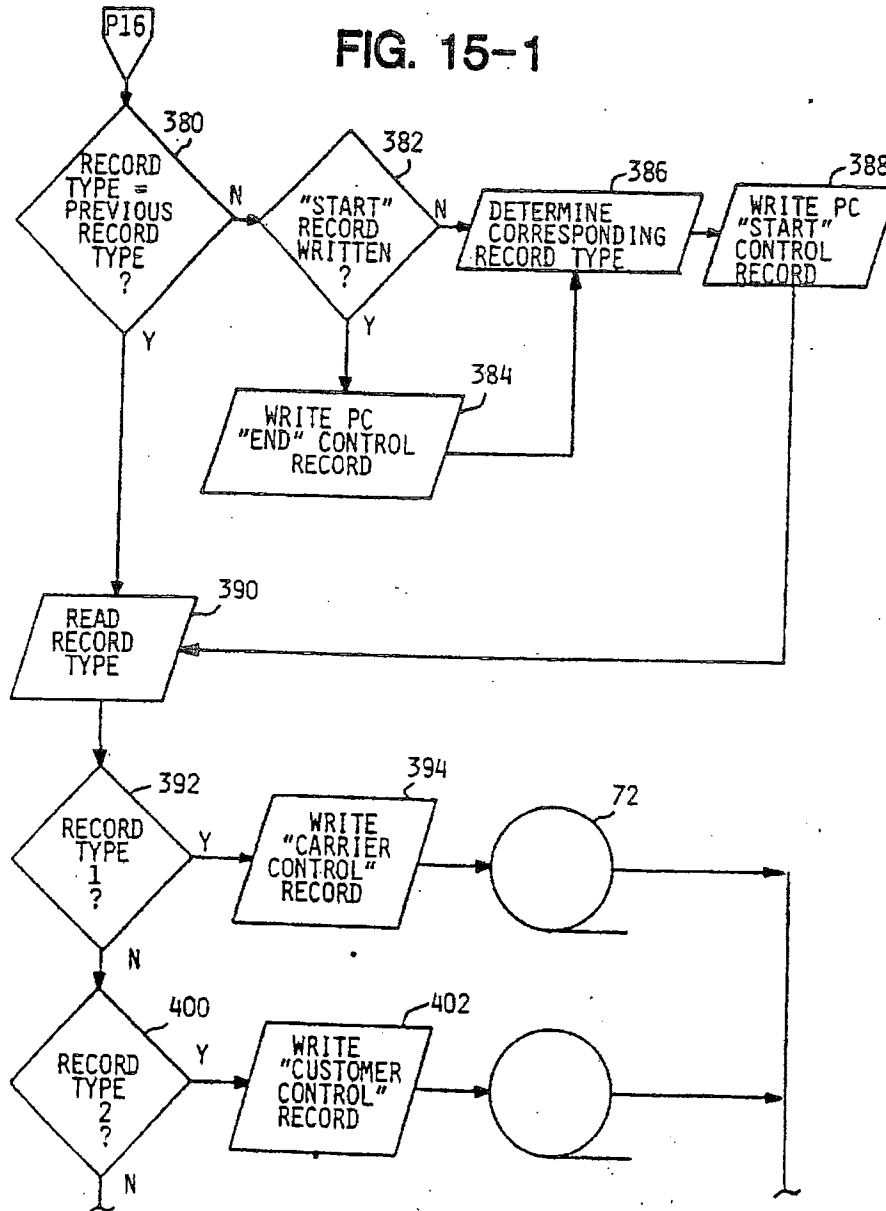
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FIG. 15-1

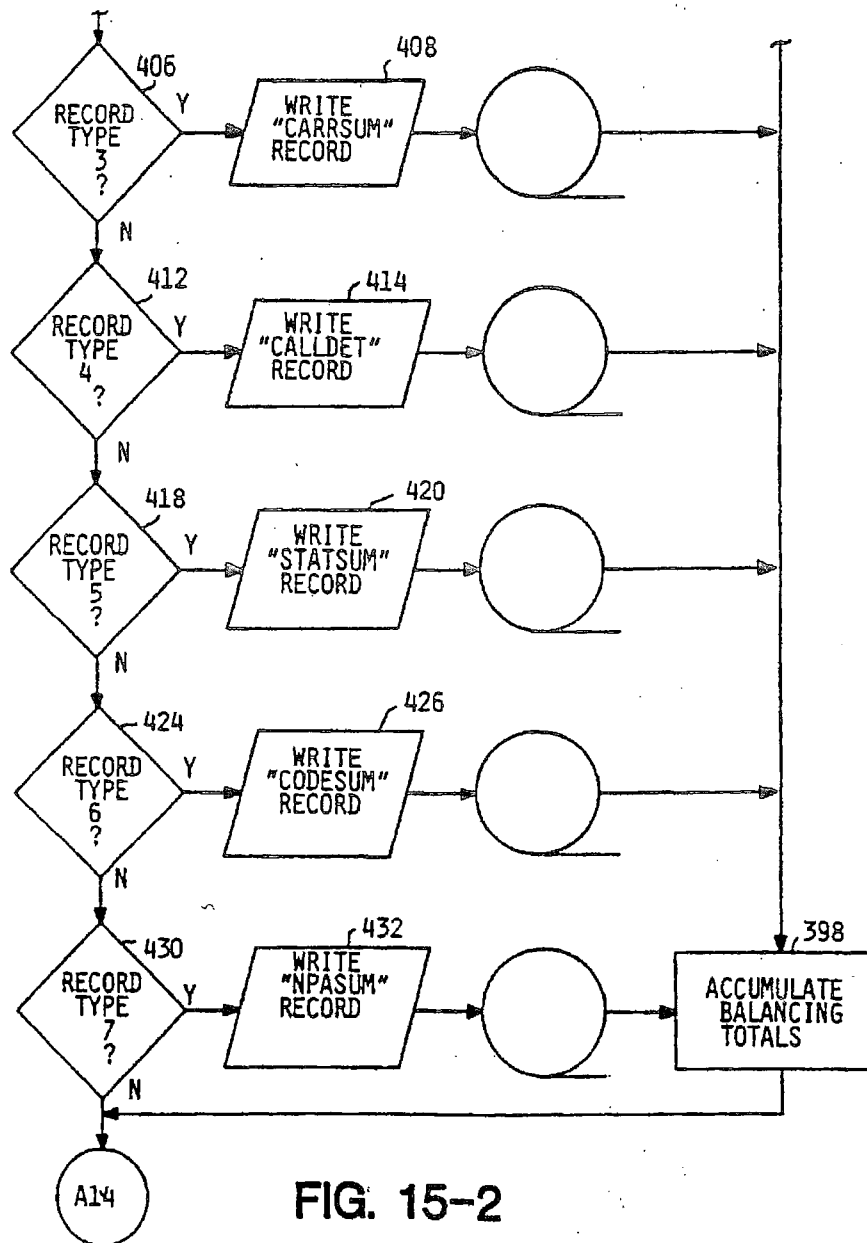


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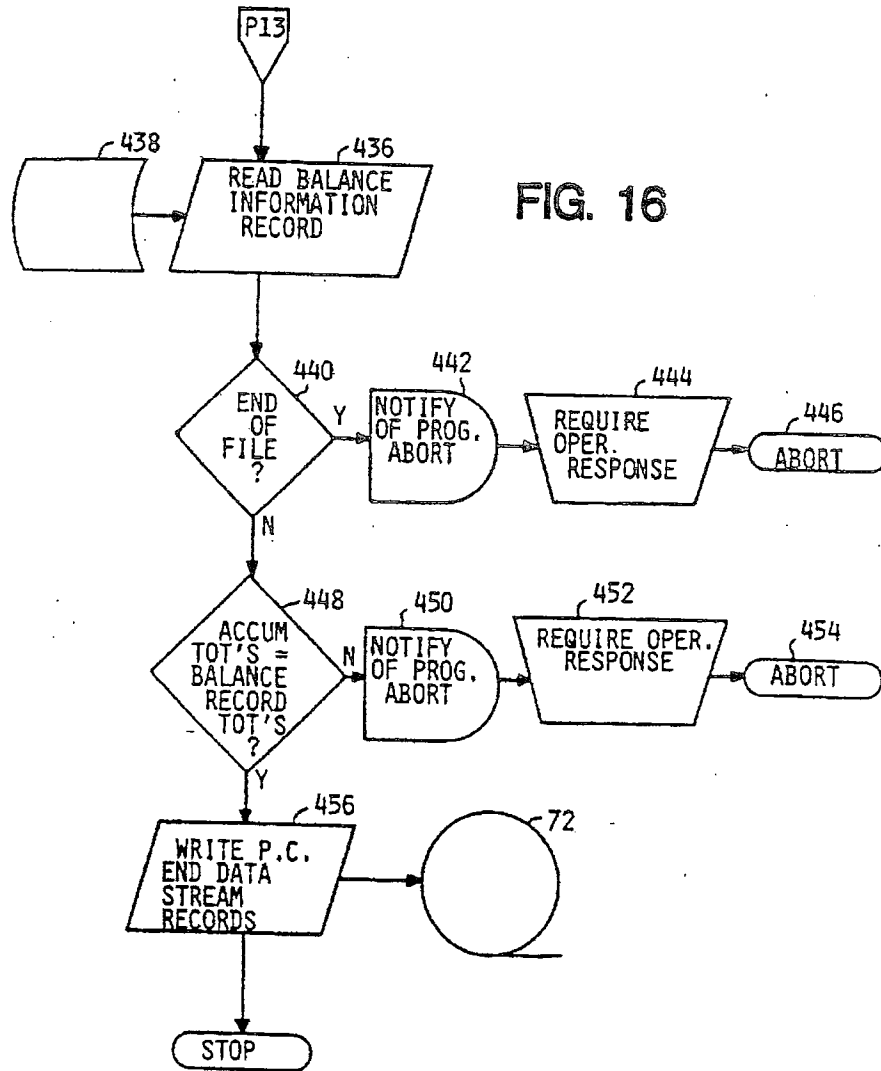
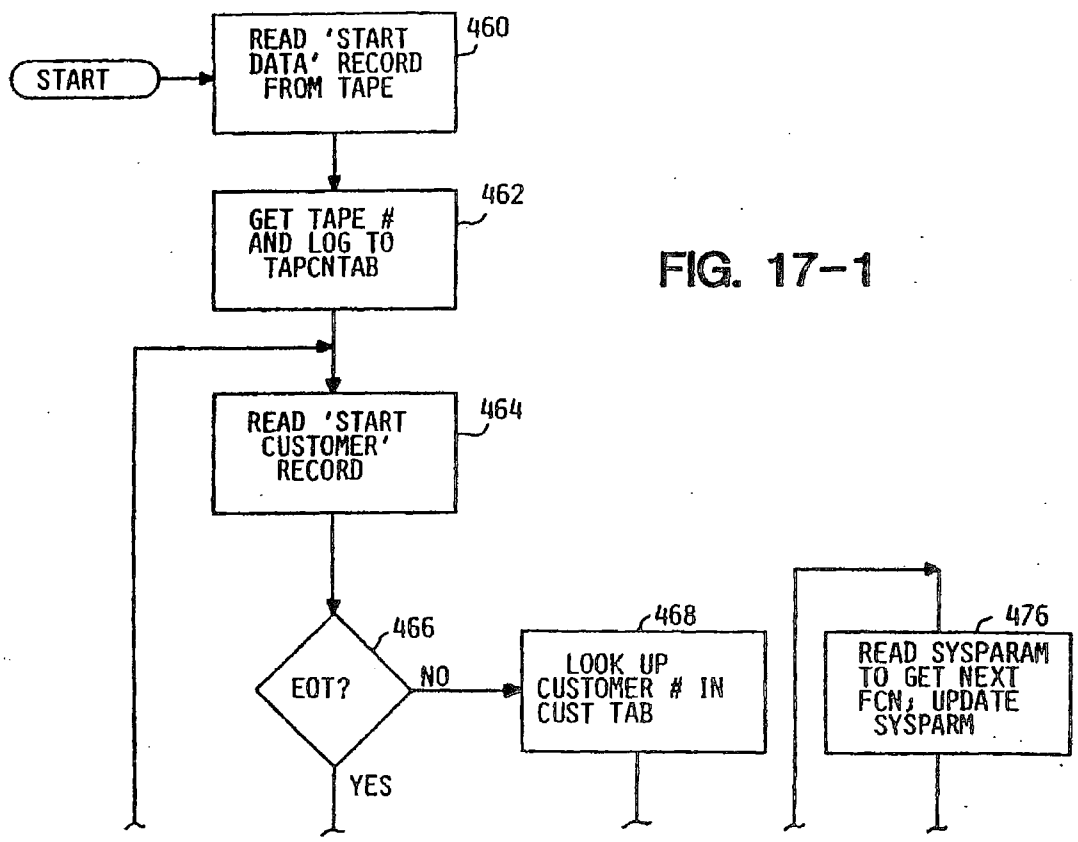


FIG. 17-1



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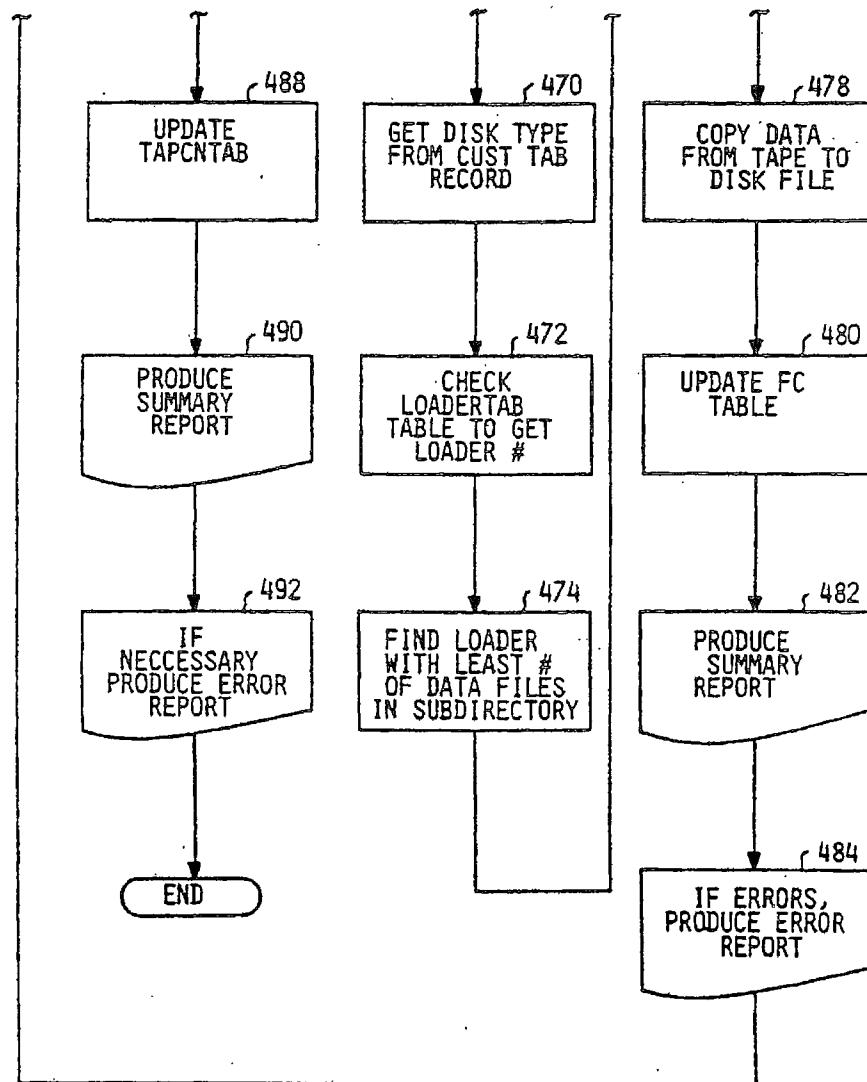


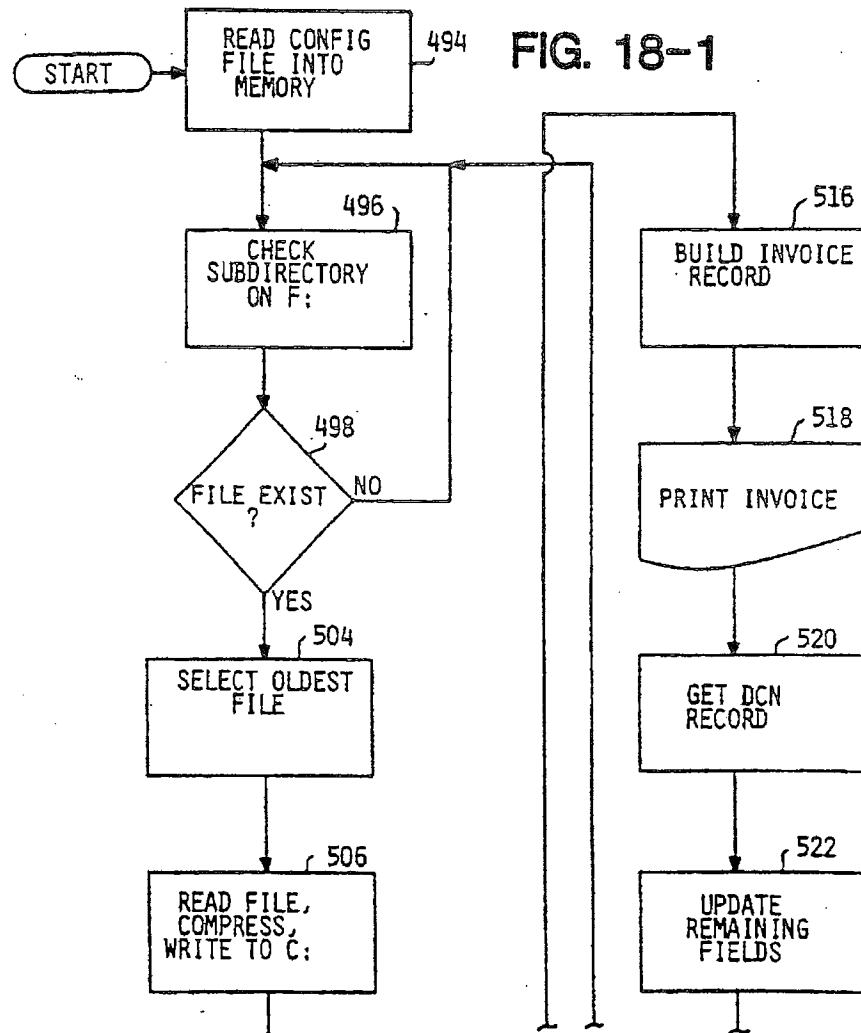
FIG. 17-2

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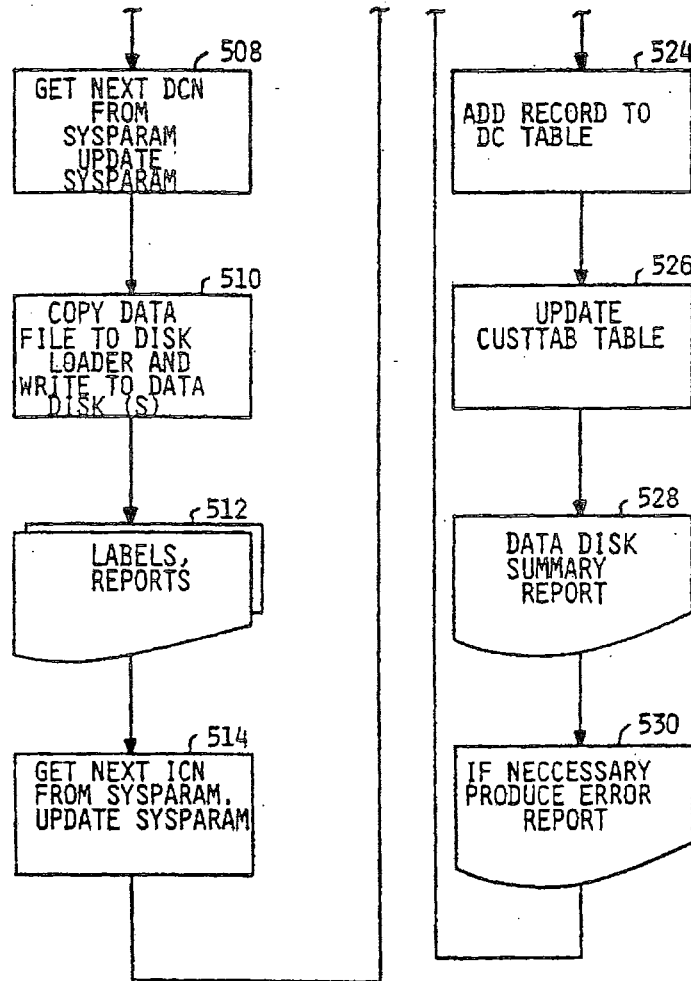


FIG. 18-2

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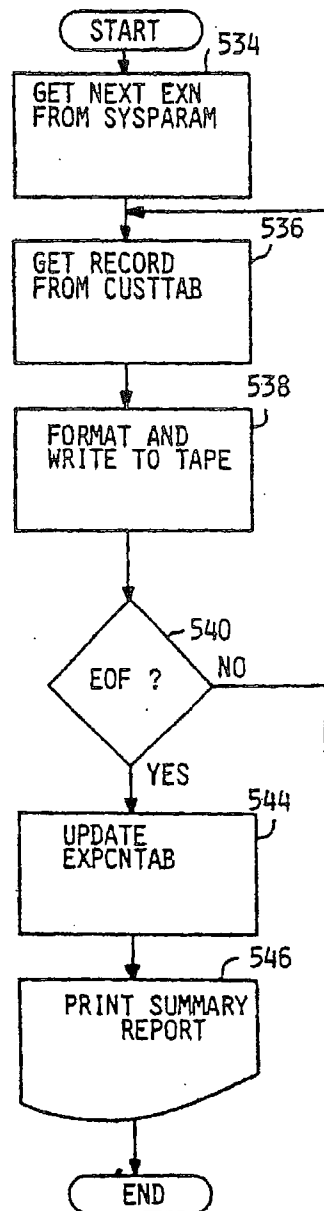


FIG. 19

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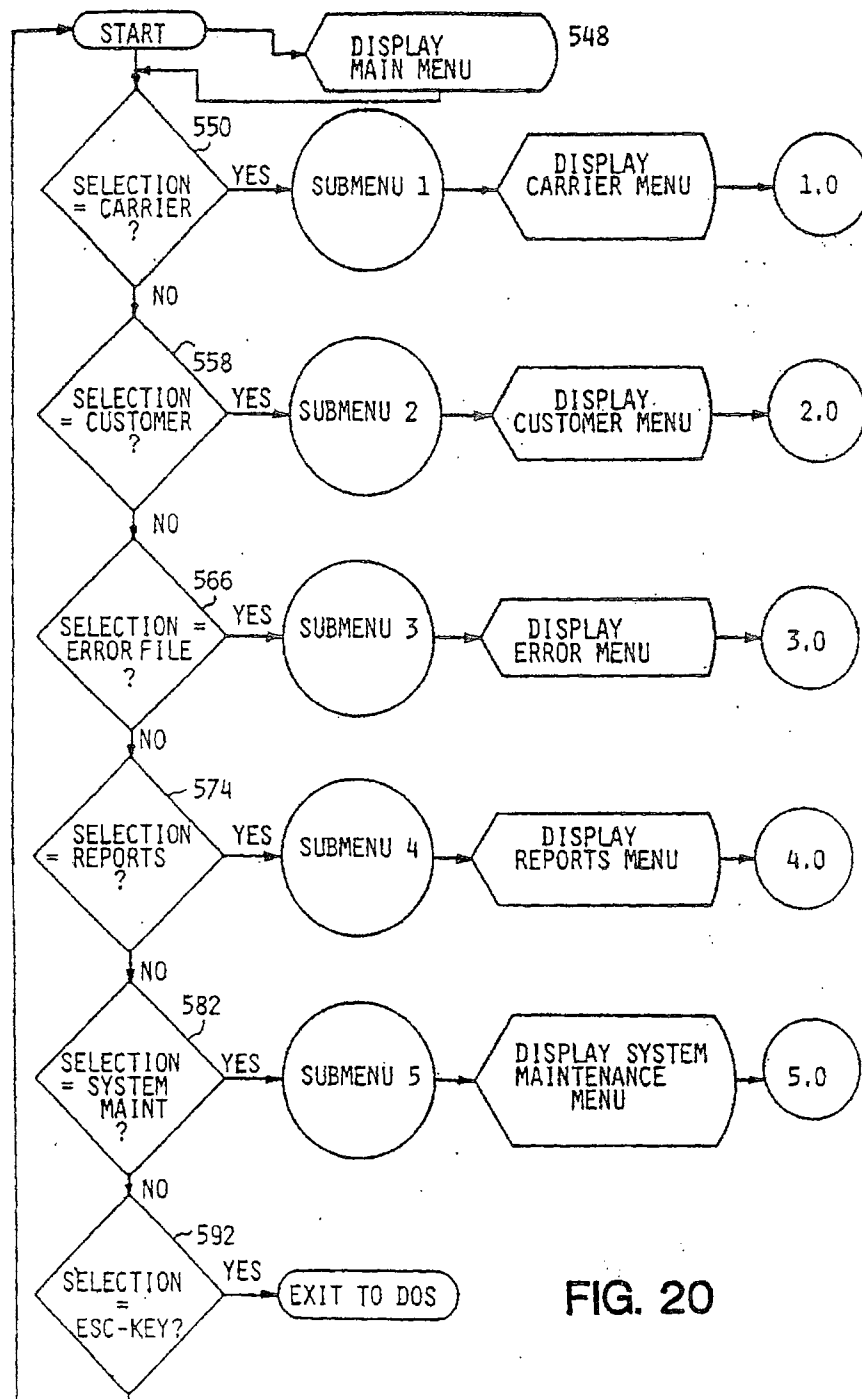


FIG. 20

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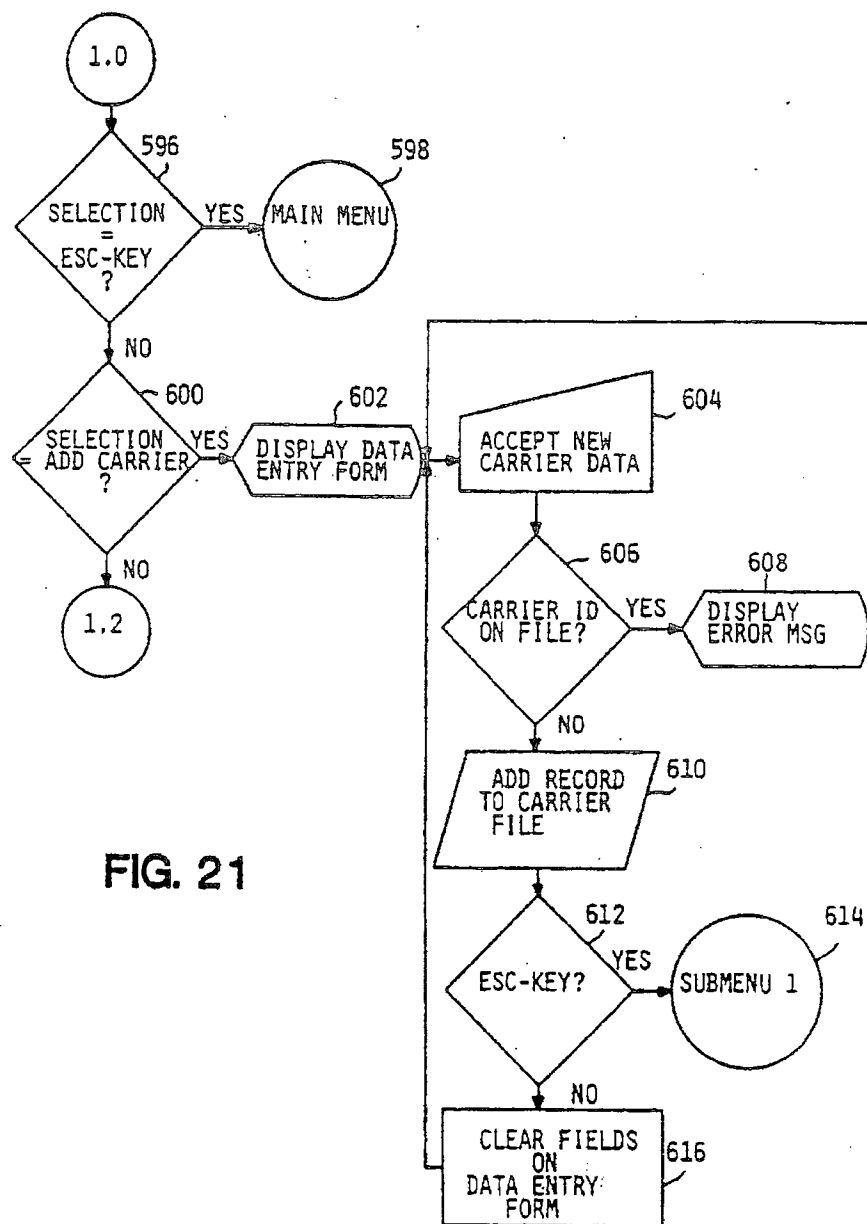


FIG. 21

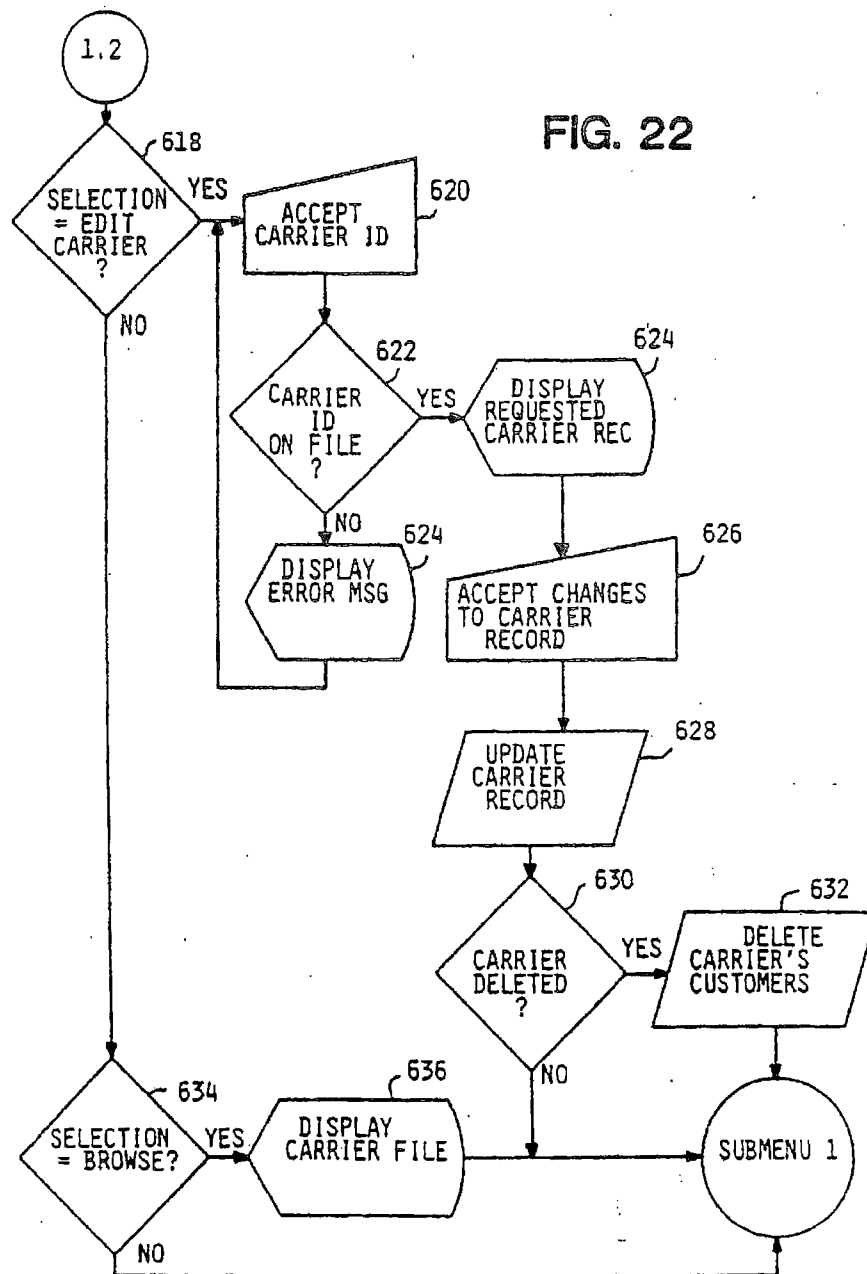
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FIG. 22



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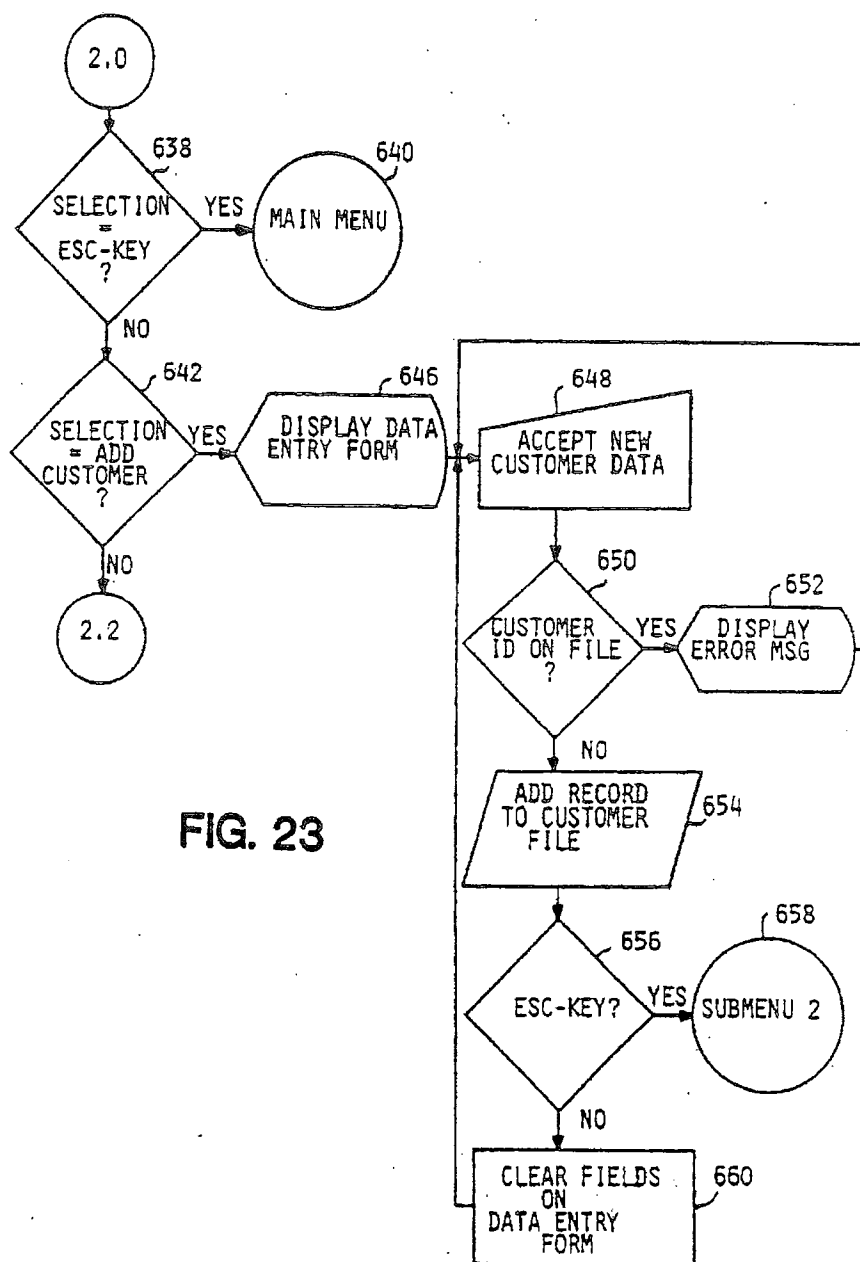


FIG. 23

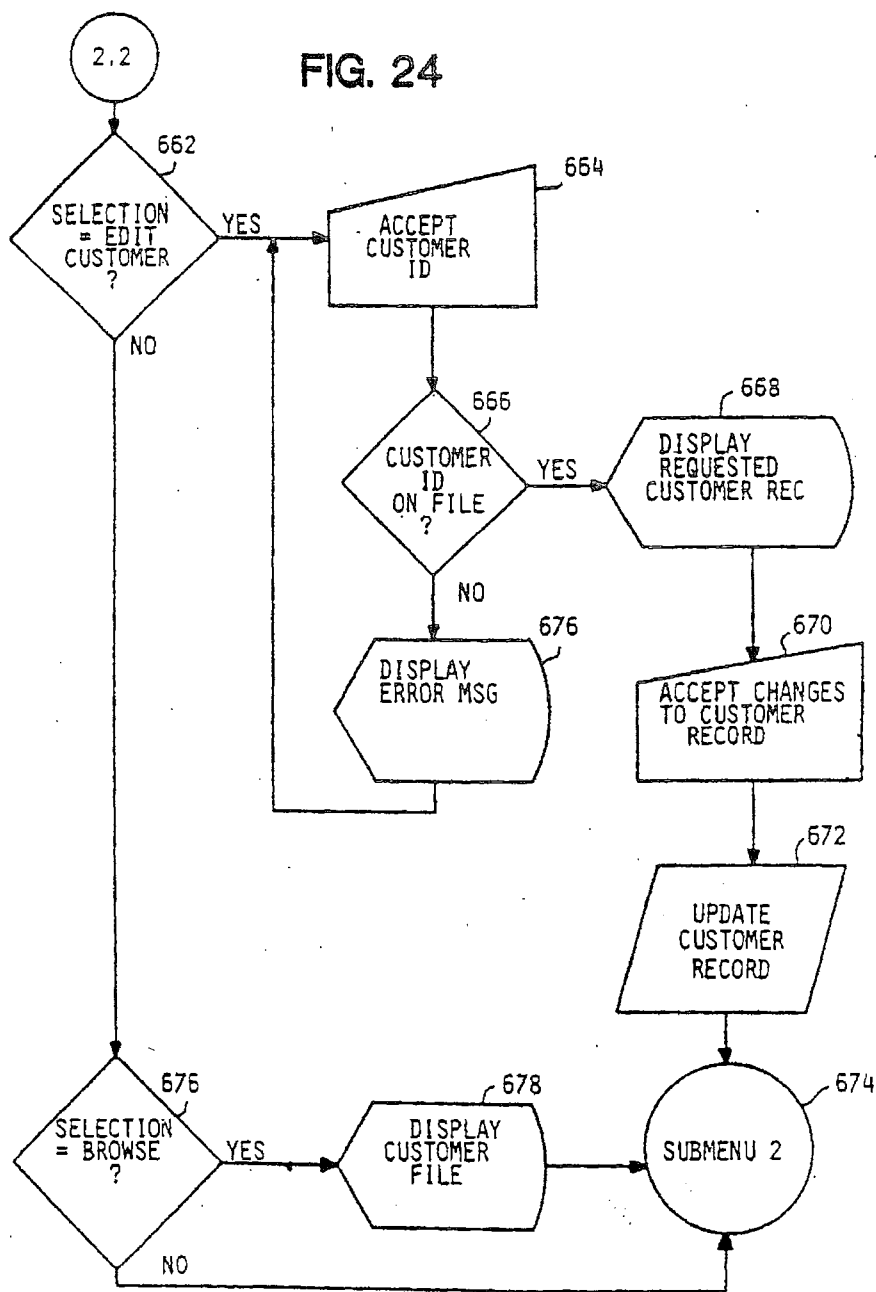
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FIG. 24



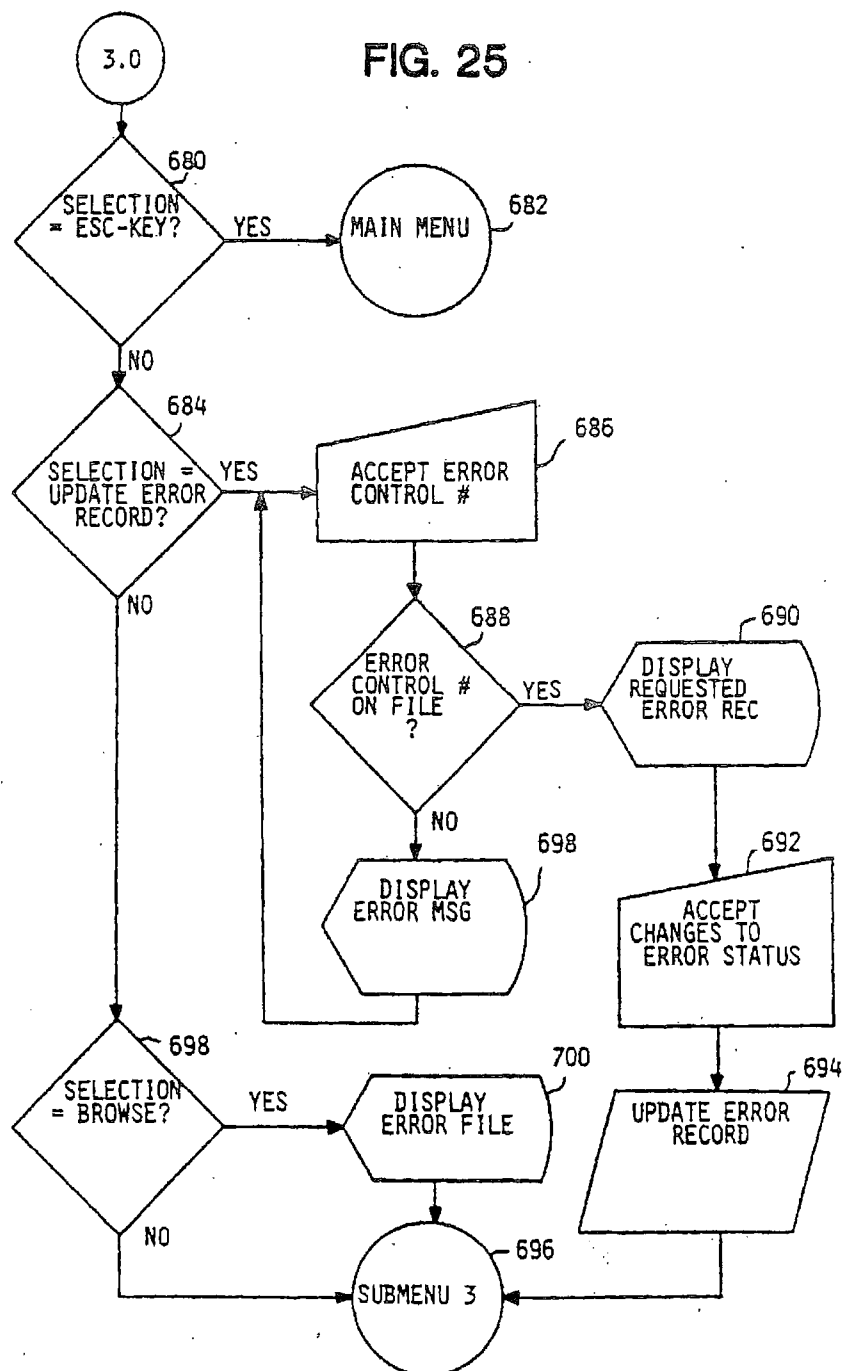
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FIG. 25



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FIG. 26

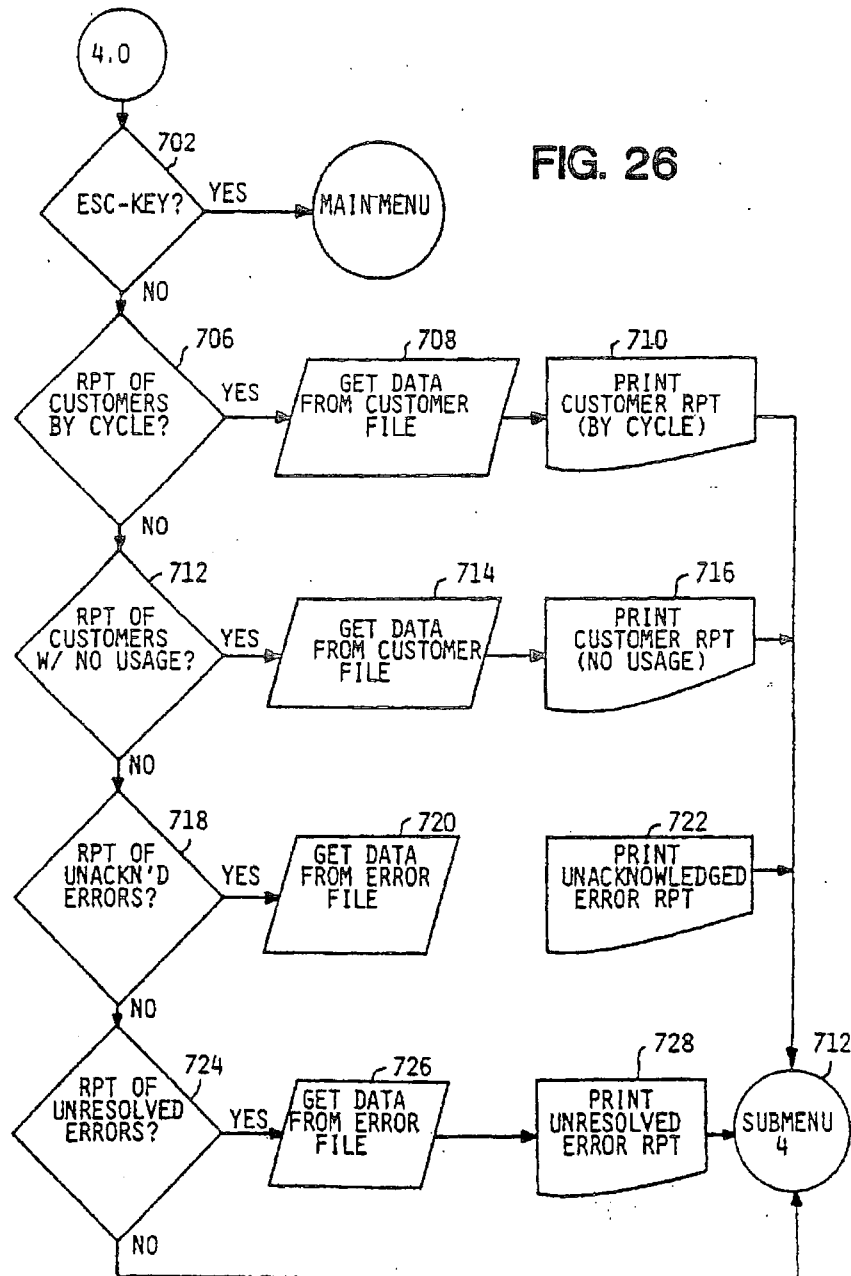
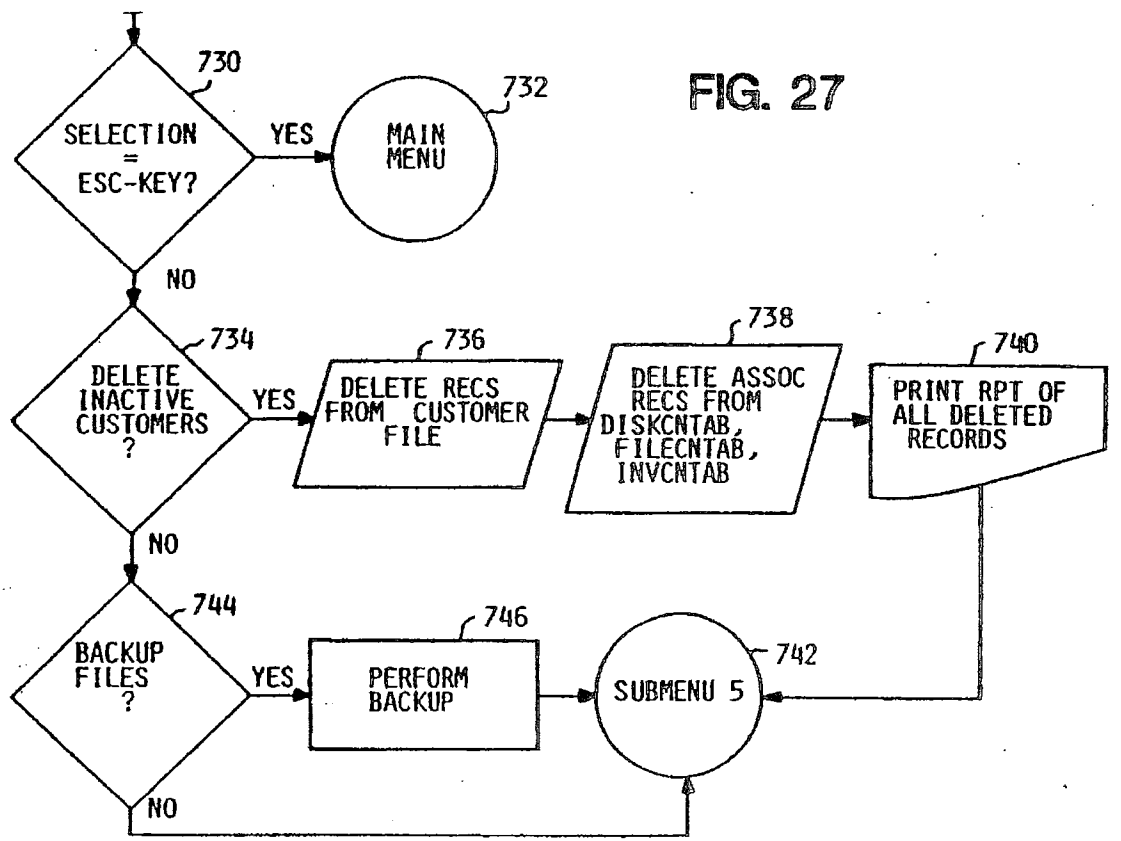


FIG. 27

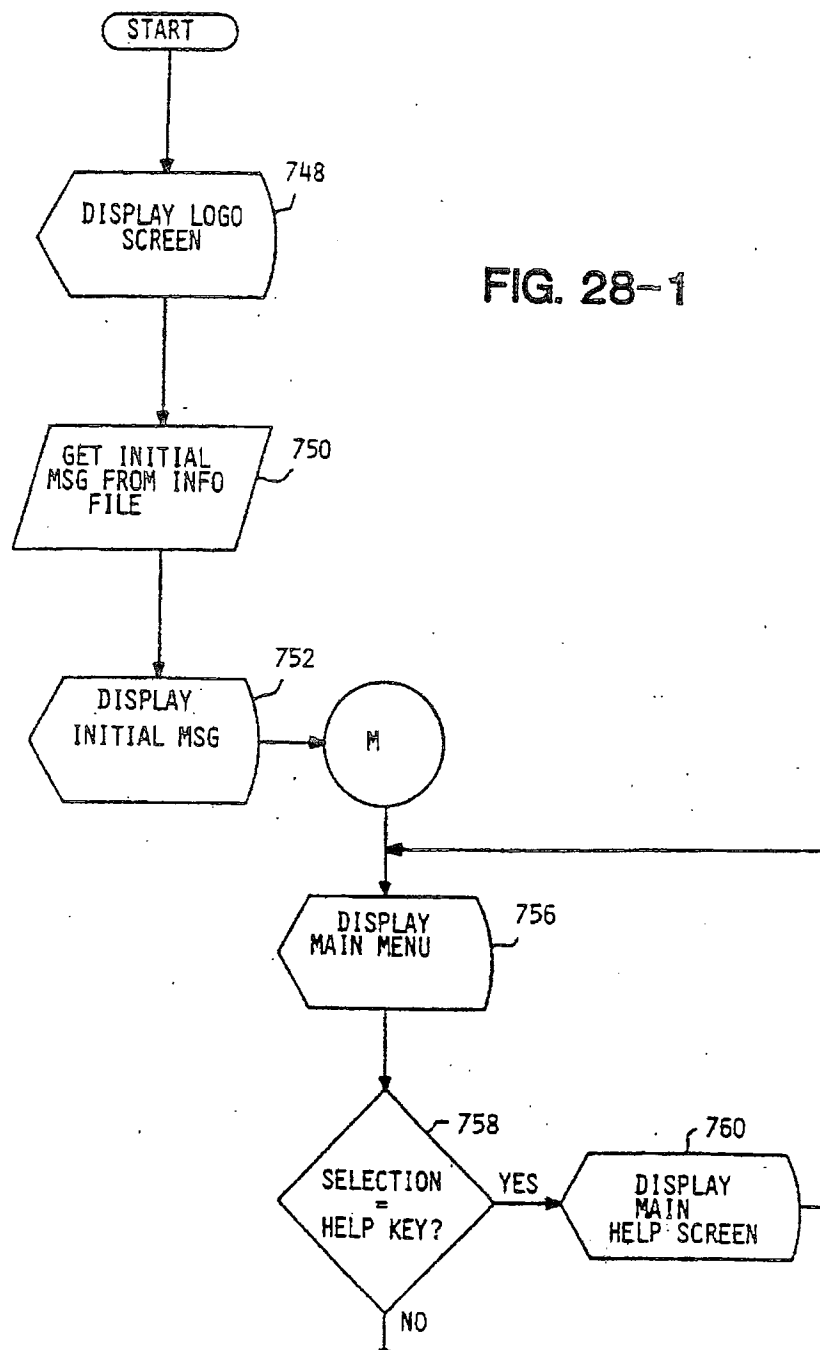


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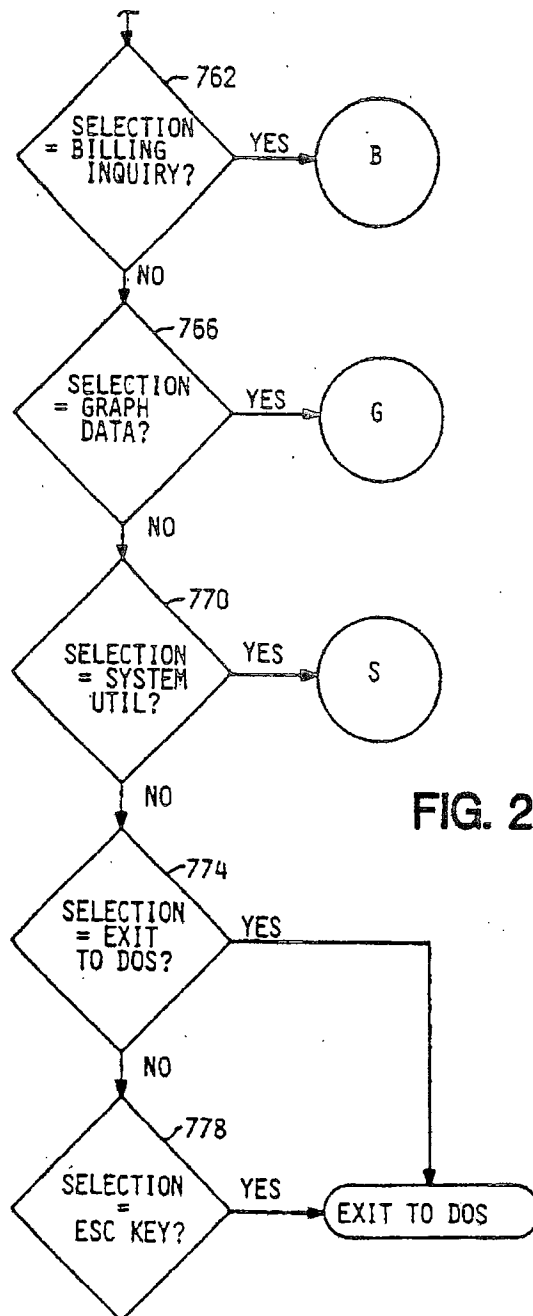


FIG. 28-2

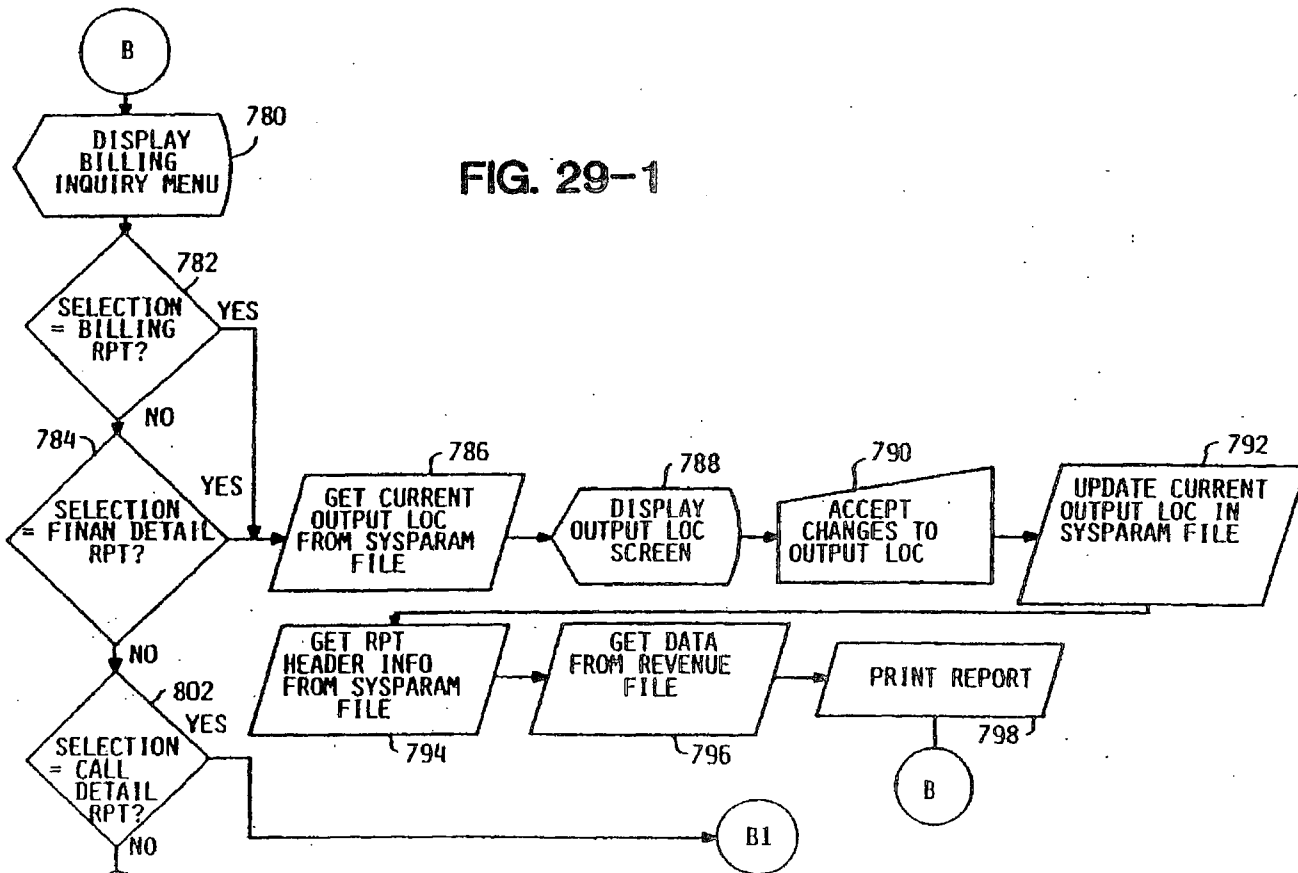
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FIG. 29-1

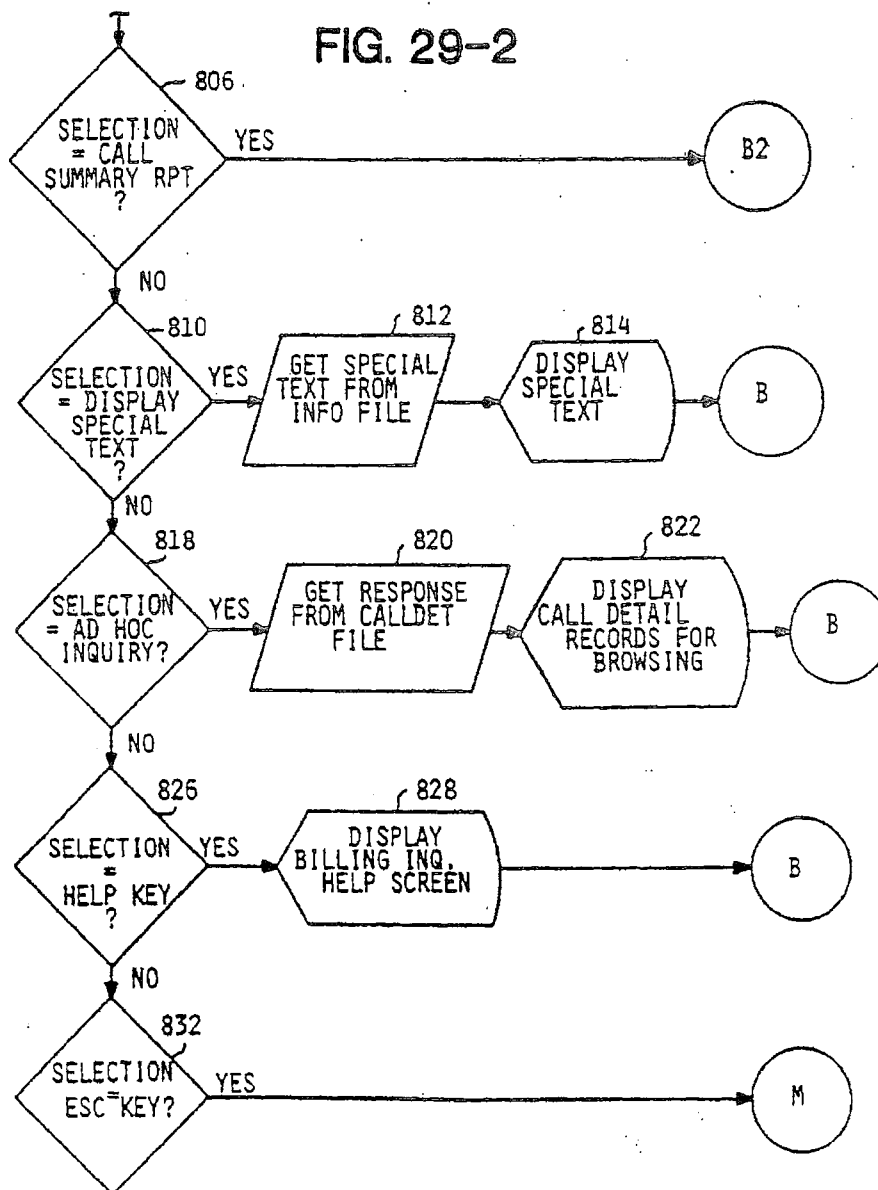


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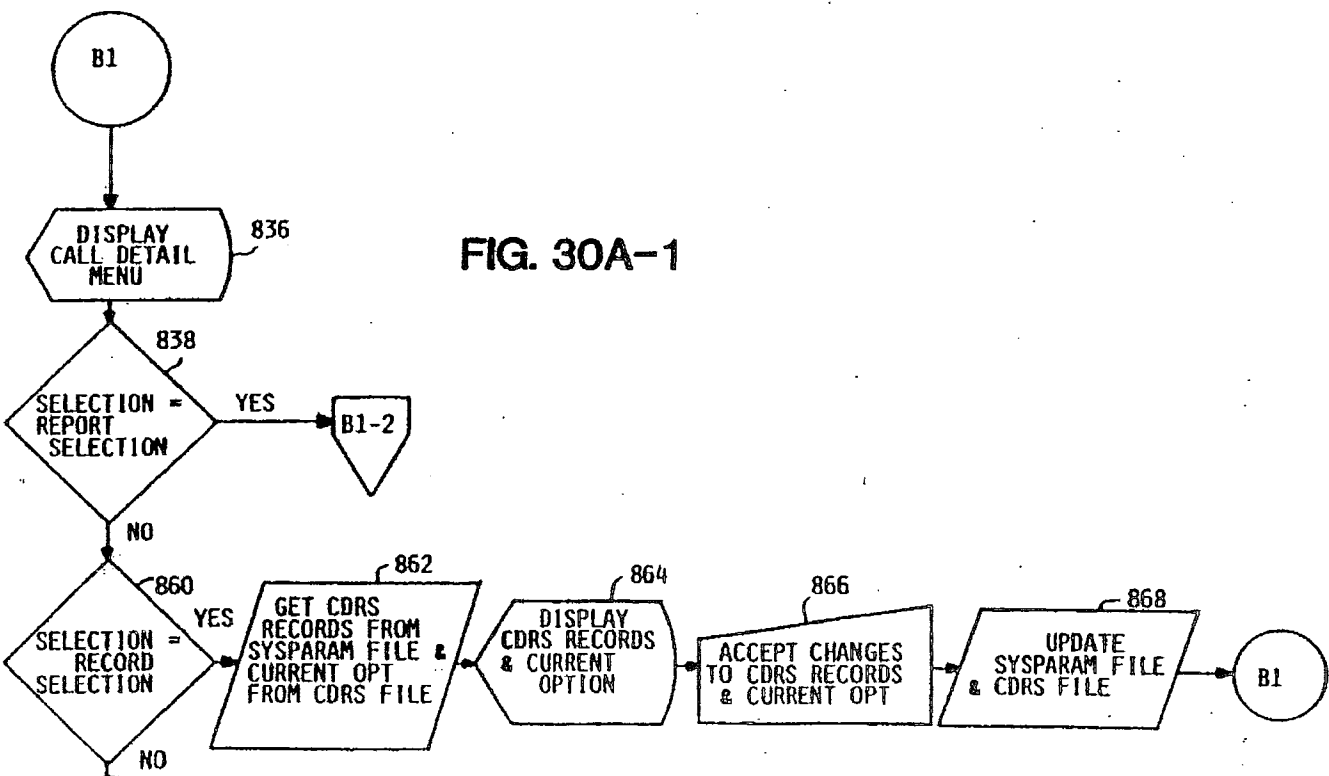
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FIG. 30A-1



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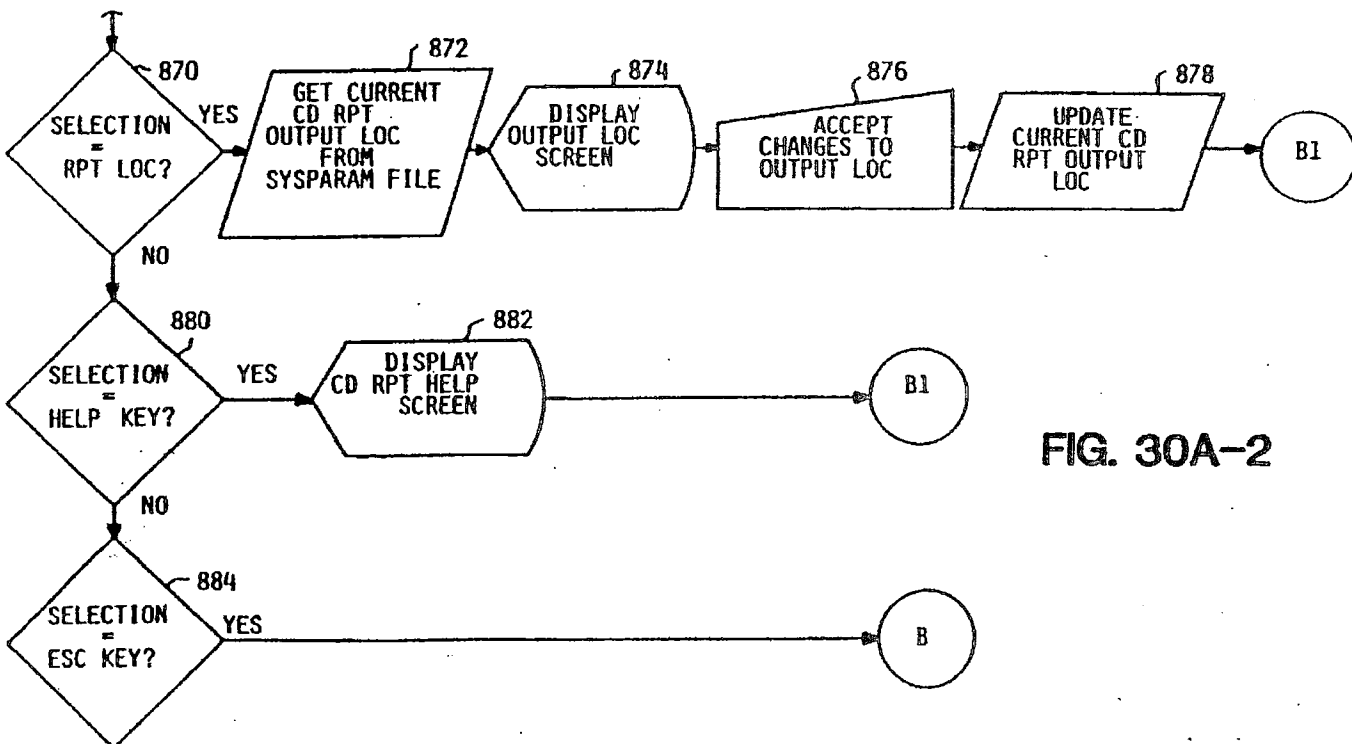


FIG. 30A-2

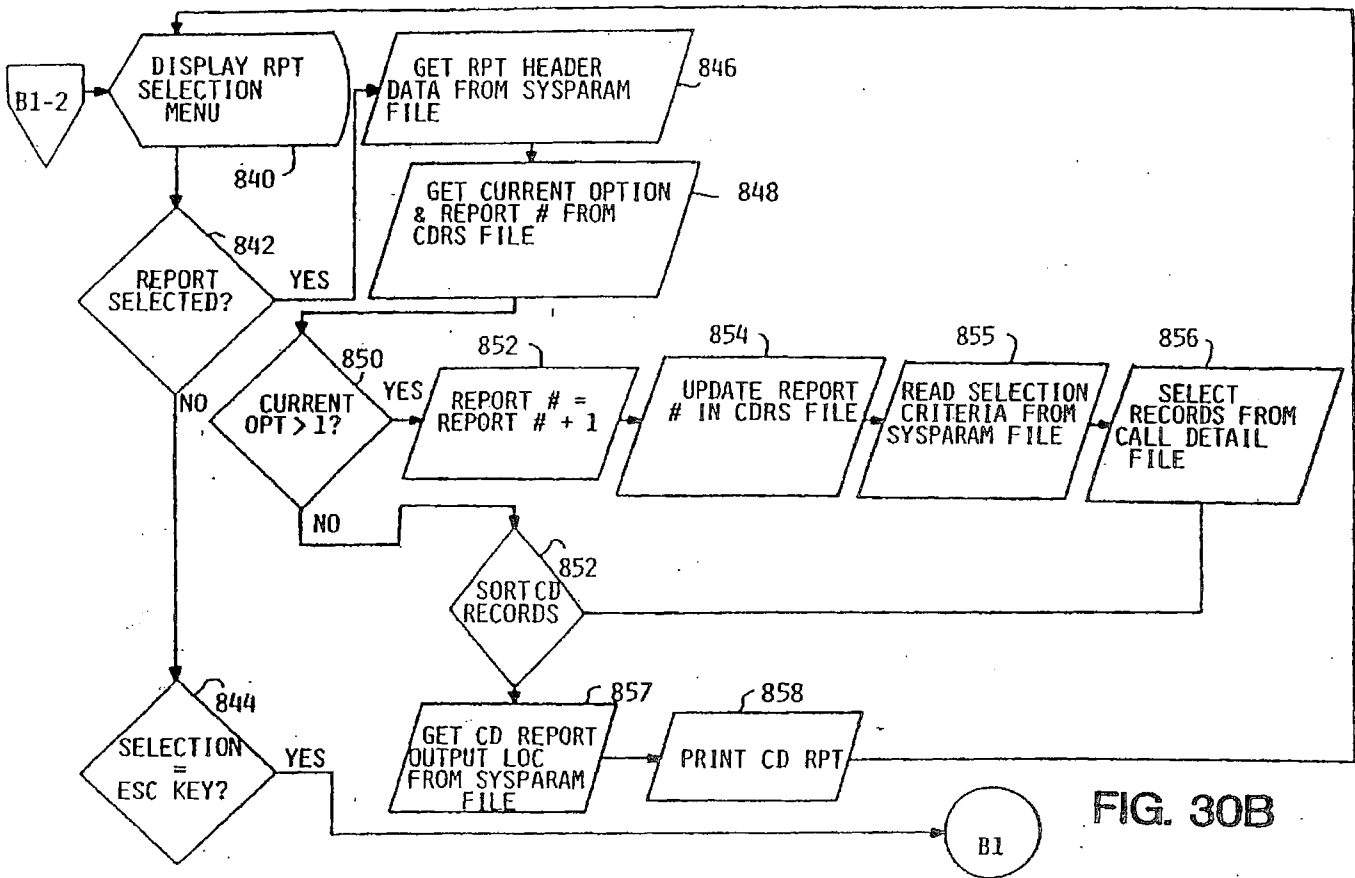


FIG. 30B

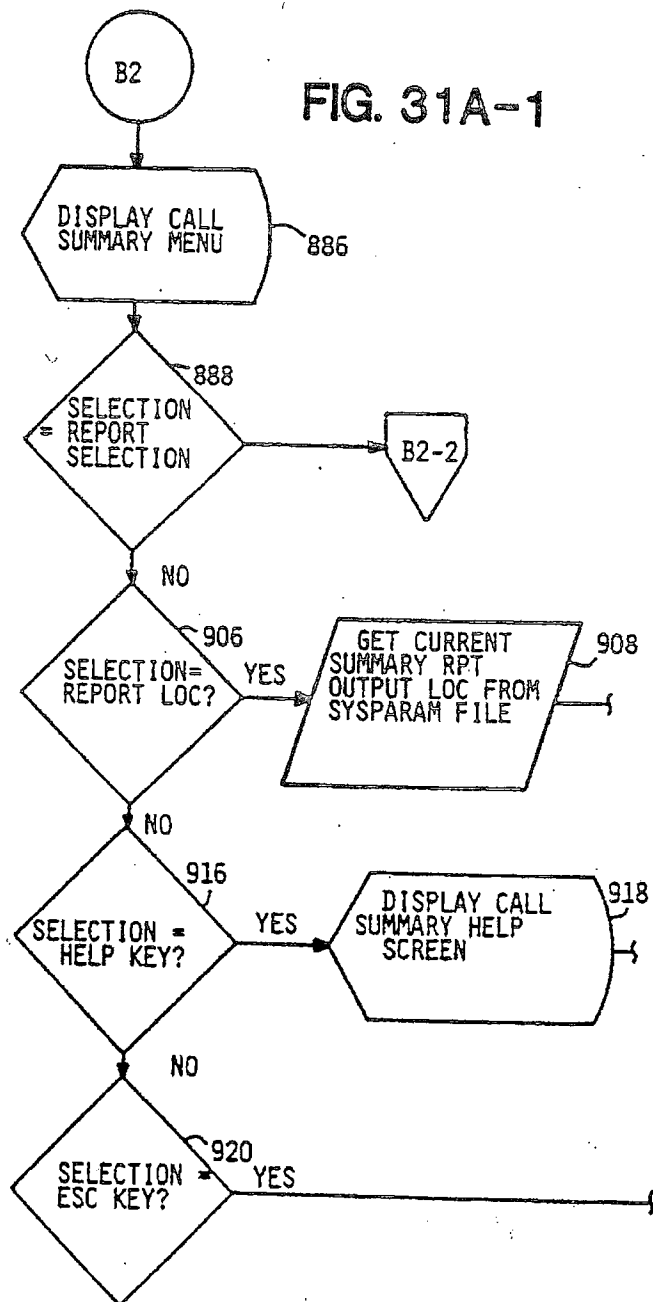
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FIG. 31A-1



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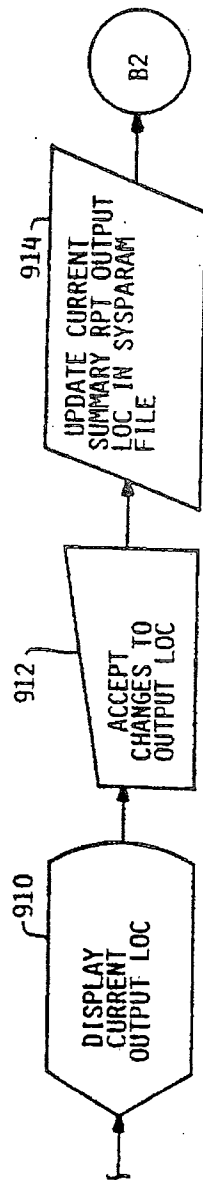


FIG. 31A-2

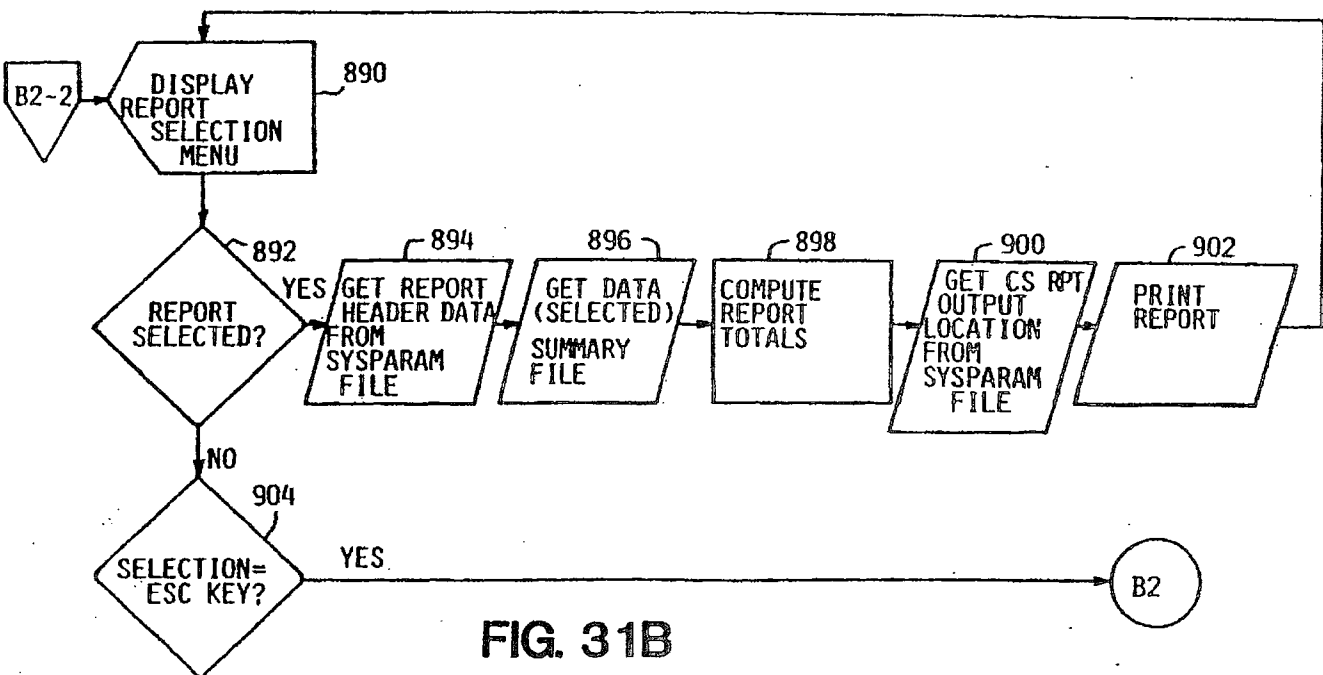


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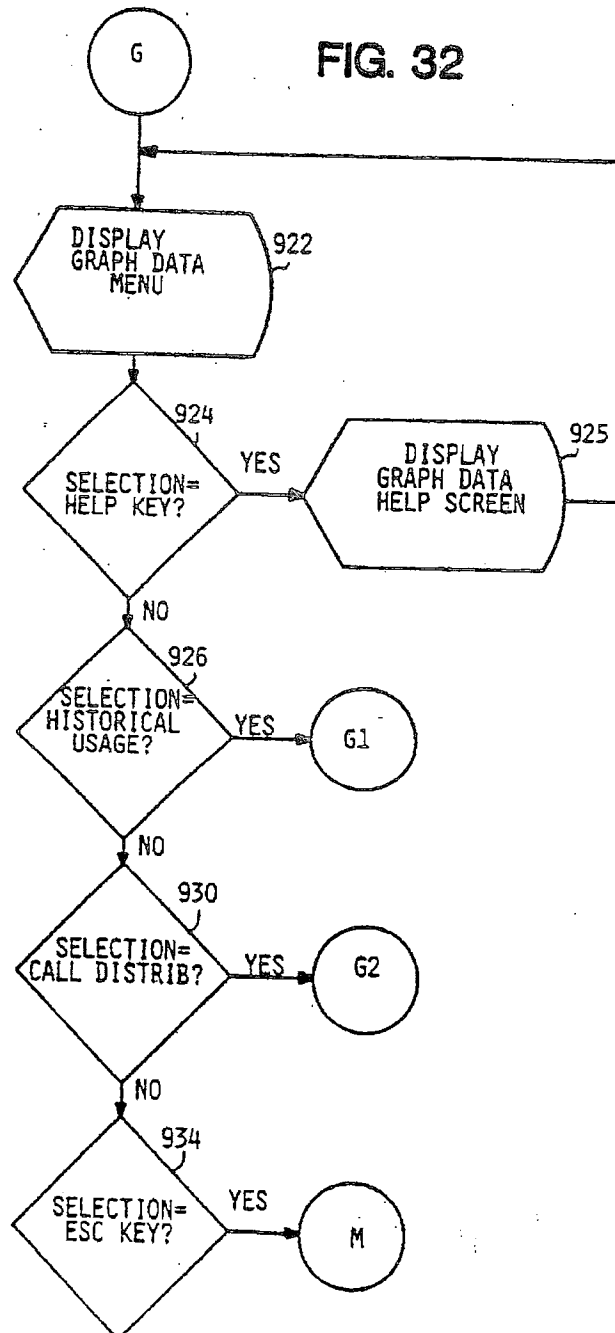
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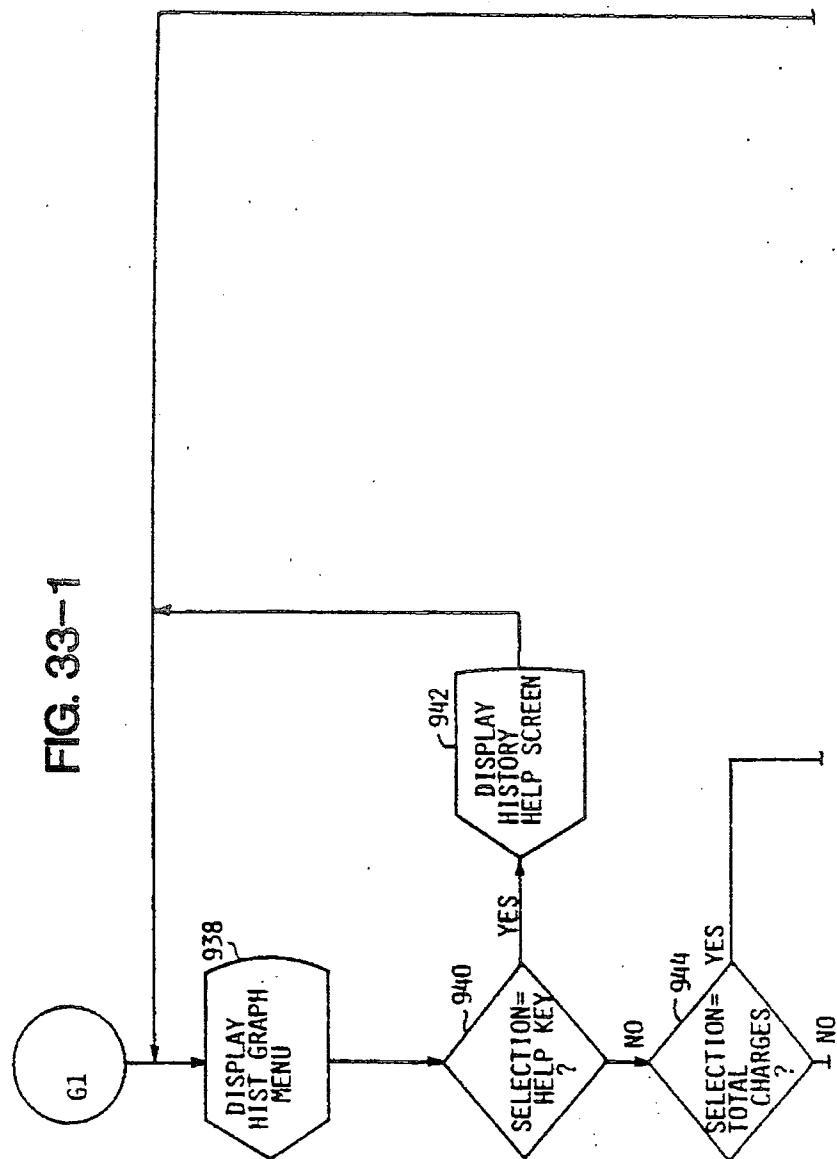
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FIG. 33-1

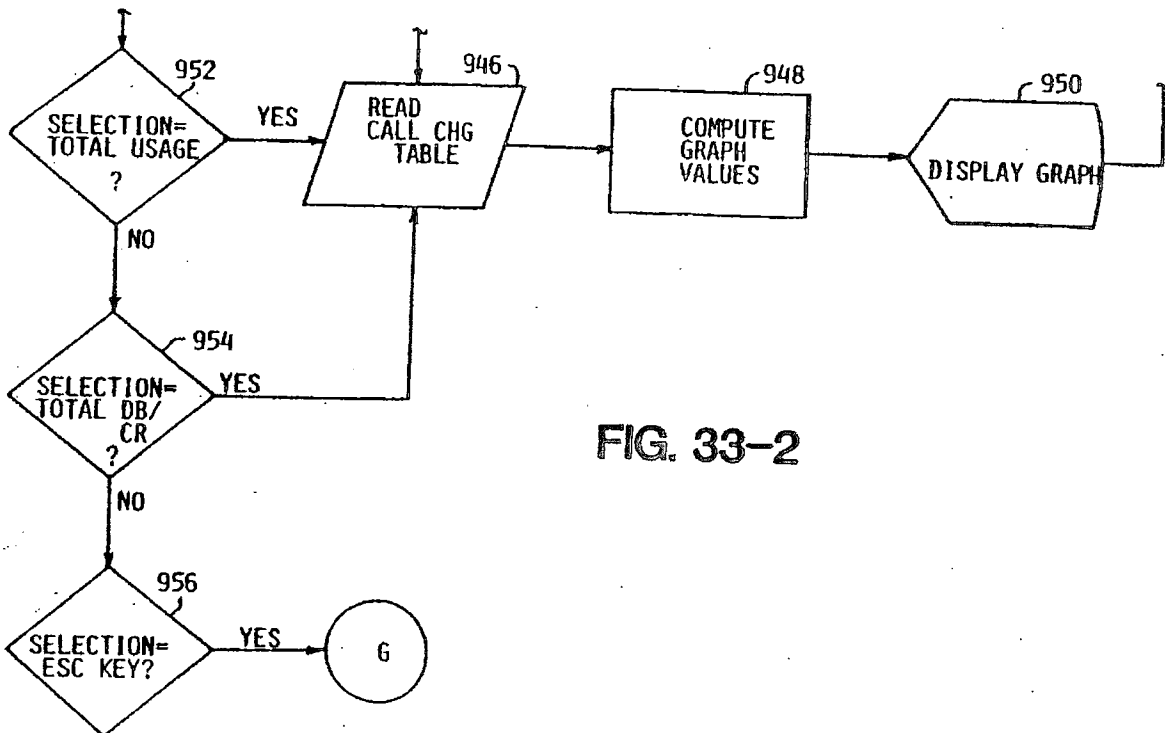


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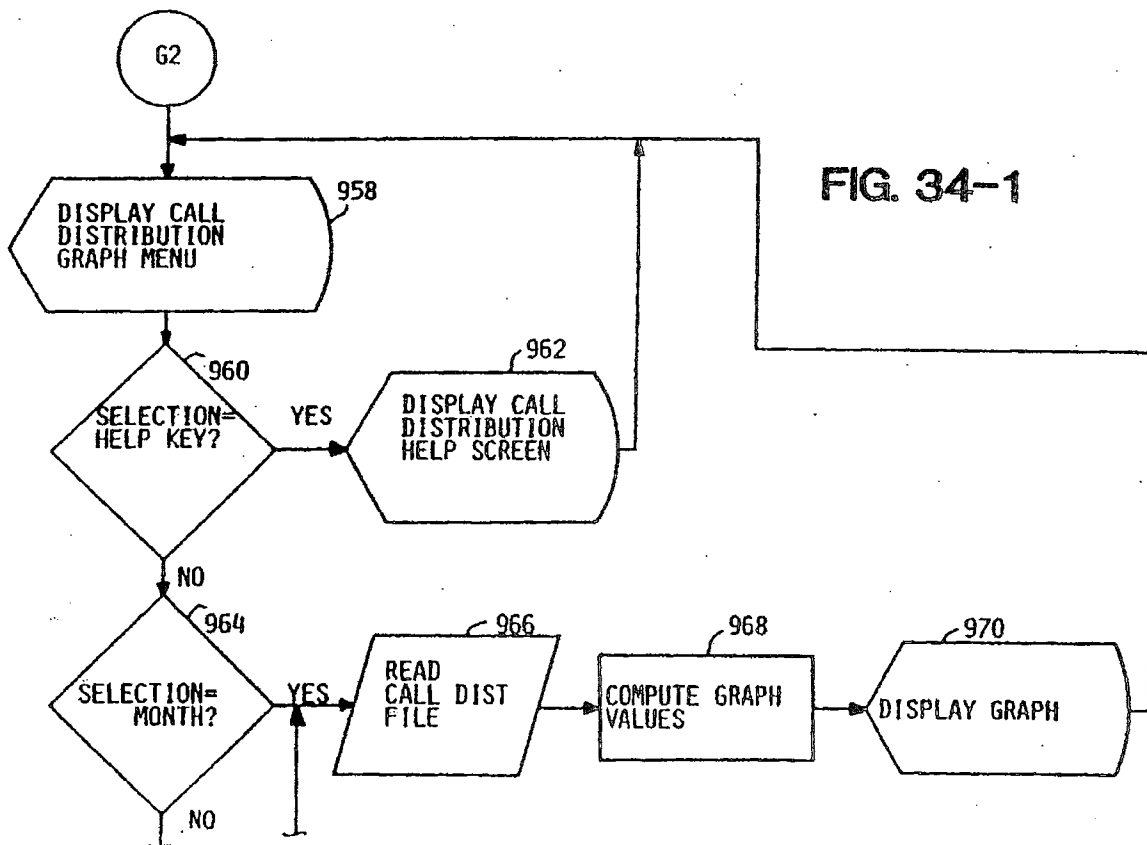
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FIG. 34-1



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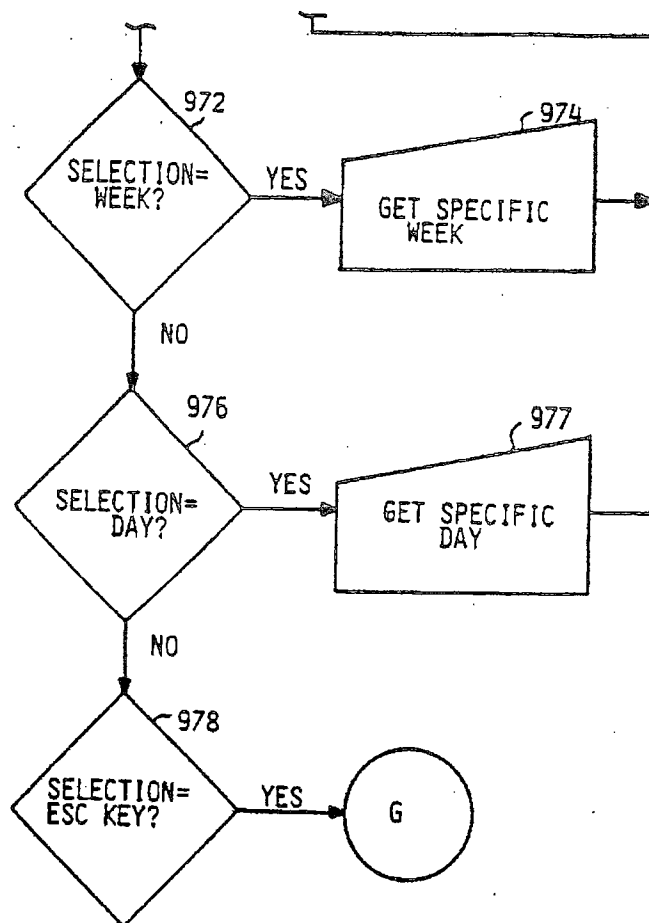


FIG. 34-2

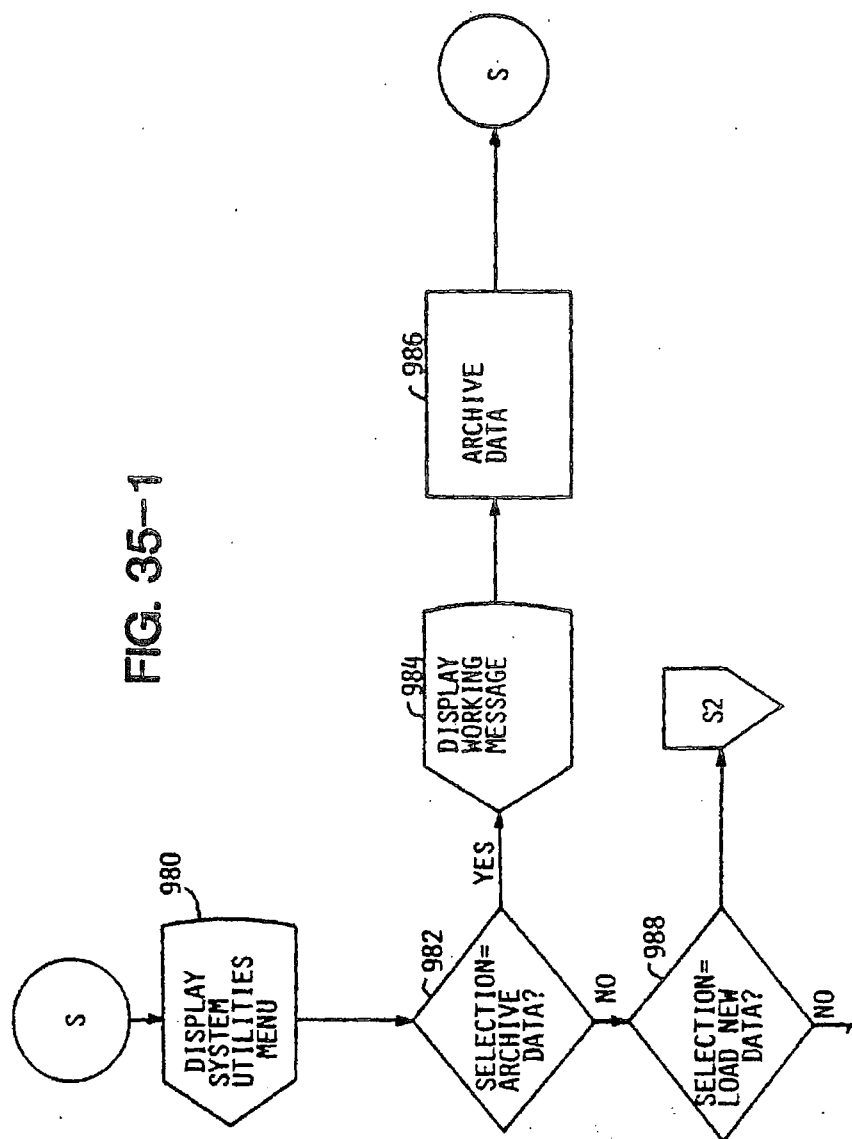
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FIG. 35-1



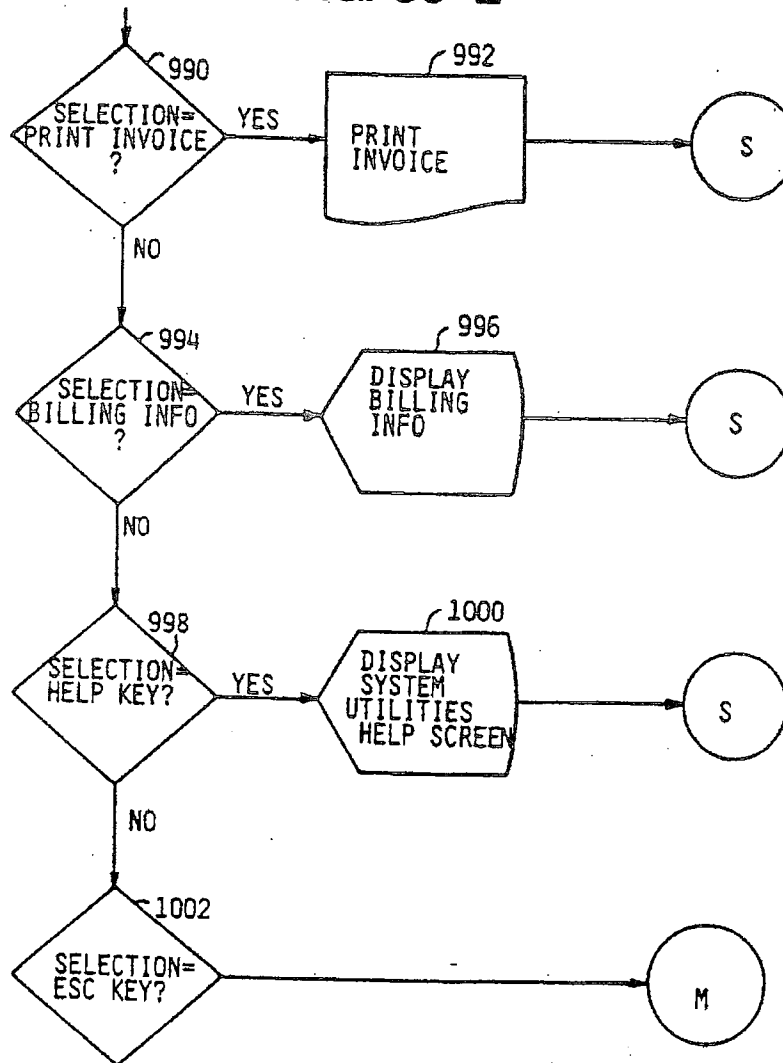
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FIG. 35-2



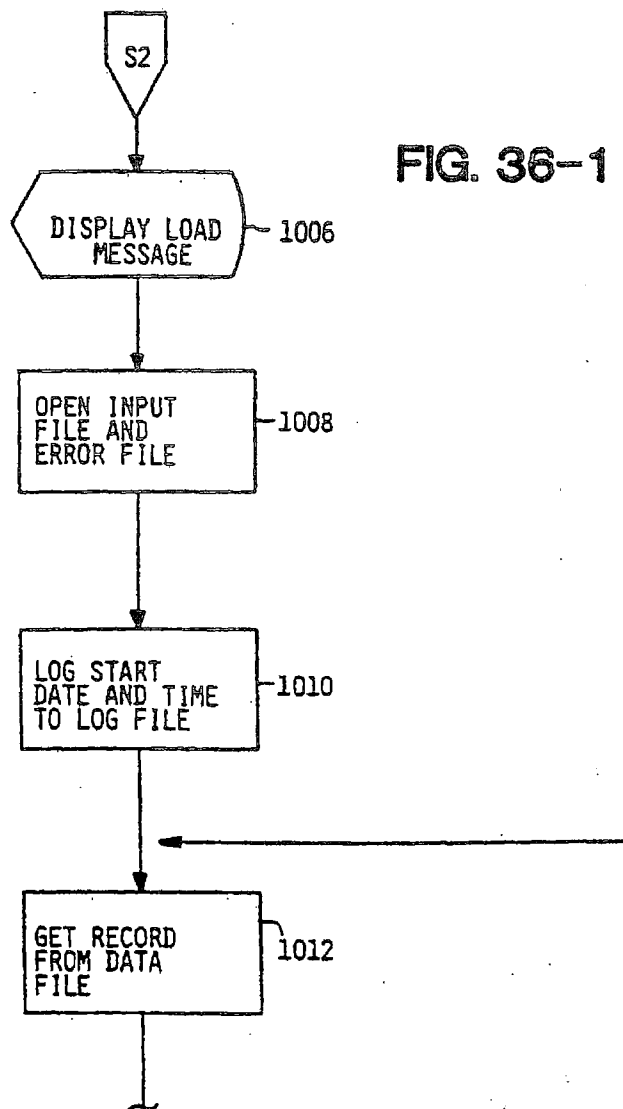
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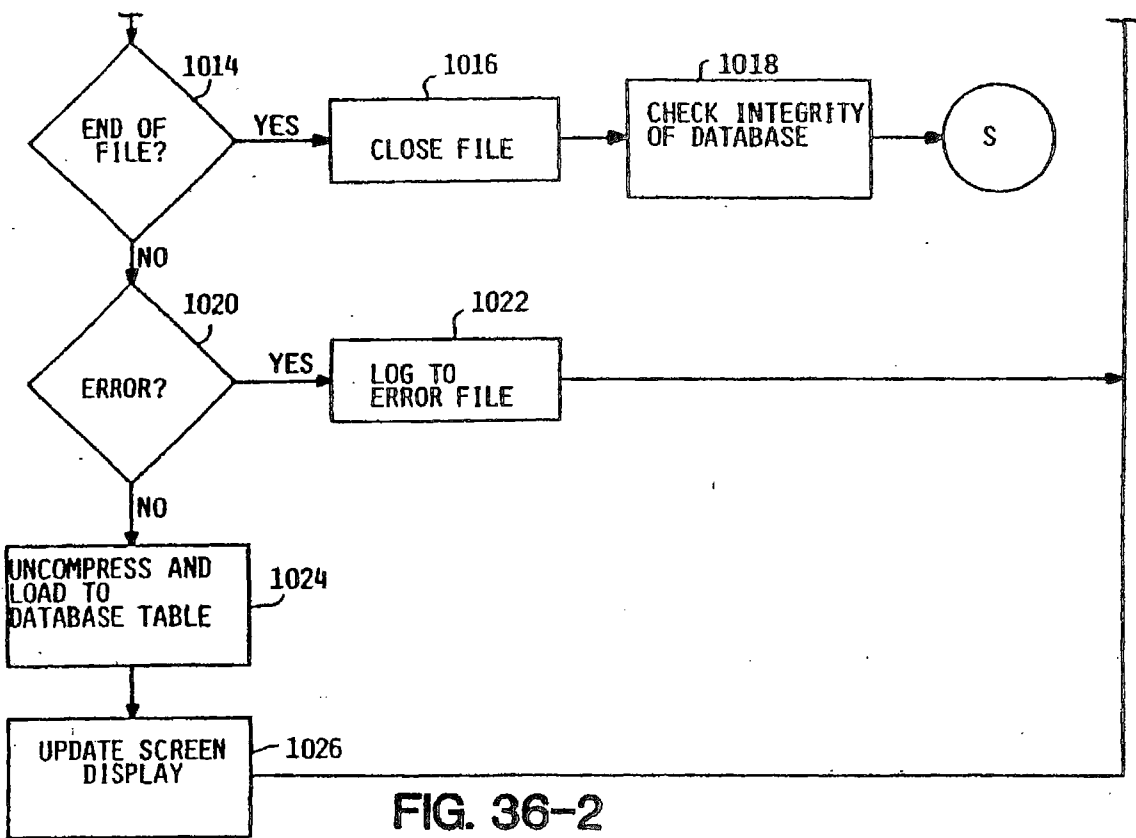
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FIG. 36-1





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BILLING SYSTEM

This application is a continuation of application Ser. No. 07/393,699 filed Aug. 14, 1989.

REFERENCE TO MICROFICHE APPENDIX

A Microfiche Appendix to this patent application, comprising 5 sheets of microfiche, contains 454 frames of computer program listings illustrating a preferred embodiment of the computer software code contemplated by the invention disclosed herein.

FIELD OF THE INVENTION

This invention relates generally to billing systems, and more particularly to systems for processing and displaying, under the control of a service customer, usage and cost information for services rendered to a customer by a service provider such as a telecommunications company, credit card company, or the like.

The invention relates particularly to systems for processing and displaying, under the control of a telecommunications service customer, usage and cost information for telecommunications services rendered to the customer by a telecommunications service provider, and to systems for providing telecommunications billing information in a form compatible with popularly available personal computers and popularly available personal computer operating systems and database management programs to permit selection, processing and display of usage and cost information under control of the telecommunications customer.

BACKGROUND OF THE INVENTION

Telecommunications costs have become a major expense for many large businesses and other organizations. Today's competitive business climate requires immediate communications between components of an organization and between the organization and its suppliers and customers. This need alone has produced over the last twenty years a dramatic increase in the use of traditional telecommunications services such as ordinary switched telephone service, leased-line telephone service and telex, typically provided by wireline common carriers. In addition, many non-traditional modes of electronic communications, such as facsimile and a variety of computer networking schemes use, as a transmission medium, either traditional or new telecommunications services offered by wireline carriers.

Organizations are under great pressure to reduce telecommunications costs while continuing to make available to their personnel and correspondents telecommunications services of acceptable quality and quantity. In order to minimize costs, attention is increasingly focused on analysis and processing of call-detail records to discover waste, unauthorized use, and savings opportunities which may arise from more efficient selection of carrier facilities.

For example, lengthy calls from a particular station may indicate inappropriate or inefficient use of the telephone by authorized personnel. A large number of calls to a particular geographical region may indicate that leased lines or tie-lines are economically justified. Since many telecommunications services are priced on a distance- and time-of-day-sensitive basis, and since several telecommunications carriers provide differing calling and volume discount plans, customers may avail themselves of additional savings opportunities by appropri-

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ately routing traffic over the lowest cost facilities and by contracting for special discounts based on usage information obtained from such analyses. A further requirement for call-detail record processing is to permit large organizations to pass along telecommunications charges to the originating department or other internal unit.

Such analysis and processing is hampered, because even large-volume telecommunications customers typically now receive a paper bill itemizing long-distance calls and other telecommunications charges by originating station. This paper bill is often the exclusive means by which the customer may obtain detailed information concerning telephone calls and other transactions from which charges arise. Further analysis is usually not provided by the carrier.

In order to process and analyze call-detail information on their own, customers have adopted a variety of techniques, but each of these has significant disadvantages. The information on a bill may be analyzed using non-automated methods, but these methods are not feasible for large customers, and even for the smallest customers are extremely expensive and error-prone. Since automated processing is preferred, some customers manually key-punch or machine-scan the paper bill into a computer system. While this approach somewhat reduces the cost of the analysis, the data entry steps remain expensive and error-prone.

Other customers may receive from the carrier a machine-readable tape containing call-detail records, but to the inventors' knowledge these tapes either carry unrated call information (i.e. the records do not include the cost of the call) or lack certain rating details without which it is impossible to exactly reconcile information on the tape with the paper bill. In addition, the type of tape media used, and the manner in which the information is organized on such tapes, require that an expensive mainframe-class computer be used to analyze the data.

Apparatus has also been developed which may be continuously connected to each outgoing station, telephone line or similar facility used by the customer and which records certain details concerning every outgoing transaction or call made over that facility. The records thereby produced may then be processed by a computer to apply an appropriate rating algorithm and arrive at an approximate cost for each transaction. However, since the customer's recording equipment is not identical to the equipment used by the carrier to acquire call-detail records, some discrepancies are virtually sure to occur, and these discrepancies will be propagated to the final results of the analysis. In addition, since the carrier's calling plans and tariffs may change frequently, a great deal of effort is required on the part of the customer to maintain up-to-date and otherwise accurate rating algorithms for processing the records.

Accordingly, the need exists for a system which provides to large-volume telecommunications customers the ability to conveniently and affordably analyze and manipulate call-detail and other telecommunications transaction information by computer, and which provides results which exactly correspond with the information printed on the customer's paper bill.

SUMMARY OF THE INVENTION

This invention contemplates a system combining standard data processing hardware and specially de-

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signed software for distributing to large-volume telecommunications or other service customers telephone bills, credit card bills, and the like on diskettes compatible with commonly available small and inexpensive personal computers for customer-directed display and in-depth analysis. In brief, telecommunications or other service customers wishing to receive a diskette telephone or credit card bill subscribe for this service with their carrier or credit card company. A participating telecommunications carrier or credit card company (more generally: a "service provider," or simply "provider") extracts from its data processing facilities appropriately selected billing information for such subscriber. The provider then supplies this information to a "processor", who, according to the invention, segregates the billing data by subscriber, appropriately preprocesses the billing data to produce a variety of in-depth billing analyses in the form of graphs and summary reports, and reorganizes both raw and analyzed billing data into an optimal format for storage, manipulation, and display on commonly-available personal computers. The "processor" writes this information onto one or more diskettes compatible with the subscriber's personal computer, and distributes these diskettes to the subscriber. The subscriber, using an inexpensive personal computer and compatible software according to the invention, can display and analyze the telephone bill with greater efficiency, accuracy and flexibility than possible using the conventional paper bill. By appropriately selecting the billing information obtained from the service provider, the invention provides a telephone, credit card or other bill on diskette which is exactly reconciled with the paper bill.

One aspect of the invention includes an application software package, capable of running on a small computer (such as an IBM Personal Computer or compatible computer), which under the direction of the user can:

1. display the telephone bill (or selected subsets thereof) in its ordinary (paper-like) format;
2. display the bill (or selected subsets thereof) sorted in non-conventional order (e.g. call detail records sorted by length of call);
3. display a variety of preprocessed summary reports and graphs useful in analyzing telecommunications costs; and
4. display non-preprocessed reports according to user-formulated ad-hoc queries.

The information listed above may also be printed or written to a disk file in the user's computer for further processing by other software, such as a commercially available database management program which runs on an IBM-compatible personal computer. Information displayed by the inventive customer software is exactly reconciled with that printed on the customer's paper bill through means described below.

Another aspect of the invention involves the use of appropriate method steps and apparatus and control software for obtaining appropriate billing information from carriers and physically rearranging this information in such a manner that it is optimally pre-processed and reformatted into a form appropriate for efficient and rapid use in subscribers' personal computers, and writing the information in this format on compatible diskettes containing for distribution to subscribers.

These functions may be performed by a third party processor engaged in the business of providing such services to service providers and their subscribers, or by

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the provider itself or perhaps even by a large corporate subscriber.

In the specific case of telephone billing, the bulk of the billing information used or supplied by a telecommunications carrier to the third-party processor for the purpose of preparing customer bills would consist of telephone-call-detail records including a carrier-assigned customer identification code, the originating station number, the called station number, a billing code classifying the type of call (e.g., night, evening or day), the length of the call, and the actual billed cost of the call according to the carrier's tariffs, volume discounts, and other billing plans. The carrier provides additional billing records to account for equipment rental charges, monthly service fees, payments, adjustments, taxes, and any other items affecting the amount billed to the customer.

According to the invention, the processor receives a subscriber's billing records from the carrier at a stage in the carrier's ordinary billing process after the carrier has posted to the subscriber's account all charges and credits, has performed all billing-related calculations for that subscriber, and is ready to print a paper bill. By selecting this specific stage of carrier bill processing from which to extract billing information, the invention ensures that the information supplied on diskette will exactly correspond to that on the paper bill.

Extensive processing is required to put the information received from a carrier into an optimal form for use on a personal computer. According to the invention, this processing is divided into two stages.

The first stage reformats data received from the carrier, segregates the records pertaining to each subscriber, analyzes billing data for each subscriber to generate a variety of preprocessed summary reports and graphs, and organizes the data into a table format suitable for loading into the particular database system used to manage this data on the subscriber's personal computer. In practice, since it is expected that the processor will receive a large number of records from carriers and the analysis performed on these records is extensive, this first stage of processing would be preferably performed on a mainframe-class computer, and is accordingly referred to hereafter as "mainframe processing."

The second stage of processing receives the information processed by the first stage, compresses this information into a more space-efficient format, for each subscriber writes this information on a diskette compatible with that subscriber's personal computer, and generates quality-control information useful in managing and tracking the production of diskette bills. These second-stage functions can be performed on a network of PC-class computers and is accordingly referred to hereafter as "PC processing."

Once diskette bills are produced in the "PC Processing" system, the resulting diskettes are mailed to customers who may use PC-compatible software according to the invention (the "user application") to display and analyze their bill. When the user receives the diskettes, the information thereon must be decompressed and loaded into a PC database using facilities provided by a user application program according to the invention. This user application preferably uses commercially available database software, such as "RBASE", a popular database package available for IBM-PC-compatible computers, to manage the billing records received on diskette. Except for a small amount of historical information used for certain graphs and summary reports,

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the database can contain only one "bill" at any time. When a new bill is received, the previous bill may be archived to a non-database file (flat file) on the user's disk for convenient retrieval. The new bill then replaces the old bill in the user application database.

When writing information into the database, the user application employs commercially available software routines, such as RBASE-specific database interface routines. When reading information from the database, the user application either uses the commercially available interface routines, or a set of proprietary tree traversal routines (disclosed in the Microfiche Appendix) which substantially improve retrieval efficiency when reading sorted data from keyed tables. Thus, while the user application stores information in a database according to the RBASE storage model, the RBASE program per se is not required. However, a customer who happens to own a copy of RBASE could use it to obtain information from the database in ways not provided by the user application.

BRIEF DESCRIPTION OF THE DRAWINGS

These and other features of this invention will be best understood by reference to the following detailed description of a preferred embodiment of the invention, taken in conjunction with the accompanying drawings, in which:

FIG. 1 is a block diagram showing an overview of the data flow in a telephone billing system according to the present invention;

FIGS. 2-1 and 2-2 are a block diagram showing an overview of the data flow in the "Mainframe Processing" segment of the system of FIG. 1;

FIG. 3 is a block diagram showing an overview of the data flow in the "PC processing" segment of the system of FIG. 1;

FIG. 4 is a block diagram showing an overview of the data flow in the "User Application" segment of the system of FIG. 1;

FIG. 5 is a flow chart of the "main processing section" for a first processing program designated TPSB010 which is used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 6-1 and 6-2 are a flow chart of the "initialization" section for the aforesaid first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 7-1 and 7-2 are a flow chart of the "input data editing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 8 is a flow chart of the "call detail accumulation" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 9 is a flow chart of the "station number break processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 10 is a flow chart of the "customer break processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 11 is a flow chart of the "end-of-file processing" section for the first processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 12 is a flow chart of the "main processing" section for a second processing program designated TPSB020 which is used in the "Mainframe Processing" segment of FIG. 2;

FIG. 13 is a flow chart of the "initialization" section for the aforesaid second processing program used in the "Mainframe Processing" segment of FIG. 2;

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FIG. 14 is a flow chart of the "erroneous customer data rejection" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 15-1 and 15-2 are a flow chart of the "write PC transfer tape records" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIG. 16 is a flow chart of the "end-of-file processing" section for the second processing program used in the "Mainframe Processing" segment of FIG. 2;

FIGS. 17-1 and 17-2 are a flow chart of a program used in the "PC Processing" segment of FIG. 3 for reading a mainframe-produced tape;

FIGS. 18-1 and 18-2 are a flow chart of a program used in the "PC Processing" segment of FIG. 3 for loading billing data onto PC-compatible diskettes;

FIG. 19 is a flow chart of a program used in the "PC Processing" segment of FIG. 3 for creating a mainframe-readable export tape;

FIG. 20 is a flow chart of the "main-menu" section for a customer-service file maintenance program which can be used in the "PC Processing" network of FIG. 3;

FIG. 21 is a flow chart of the "add new carrier" section for a customer-service file maintenance program of FIG. 20;

FIG. 22 is a flow chart of the "edit existing carrier" section for the customer-service file maintenance program of FIGS. 20 and 21;

FIG. 23 is a flow chart of the "add new customer" section for the customer-service file maintenance program of FIGS. 20-22;

FIG. 24 is a flow chart of the "edit existing customer" section for the customer-service file maintenance program of FIGS. 20-23;

FIG. 25 is a flow chart of the "display errors" section for the customer-service file maintenance program of FIGS. 20-24;

FIG. 26 is a flow chart of the "display reports" section for the customer-service file maintenance program of FIGS. 20-25;

FIG. 27 is a flow chart of the "system maintenance" section for the customer-service file maintenance program of FIGS. 20-26;

FIGS. 28-1 and 28-2 are a flow chart of the "main menu" section for the aforesaid "User Application" program of FIG. 4;

FIGS. 29-1 and 29-2 are a flow chart of the "display billing inquiry" section for the "User Application" program of FIG. 4; FIGS. 30A-1, 30A-2, and 30B are flow charts of the "display call detail" subsection of the "display billing inquiry" section for the "User Application" program of FIG. 4;

FIGS. 31A-1, 31A-2 and 31-B are flow charts of the "display call summary" subsection of the "display billing inquiry" section for the "User Application" program of FIG. 4;

FIG. 32 is a flow chart of the "graph data" section for the "User Application" program of FIG. 4;

FIG. 33-1 and 33-2 are a flow chart of the "graph historical usage" subsection of the "graph data" section for the "User Application" program of FIG. 4;

FIG. 34-1 and 34-2 are a flow chart of the "graph hourly call distribution" subsection of the "graph data" section for the "User Application Program" segment of FIG. 4;

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FIGS. 35-1 and 35-2 are a flow chart of the "system utilities" section for the "User Application" program of FIG. 4;

FIGS. 36-1 and 36-2 are a flow chart of the "load new data" subsection of the "system utilities" section for the "User Application Program" segment of FIG. 4.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Overall System Summary

The mainframe processing aspect of the invention involves four major activities: a first sort, an editing and table accumulation program, a second sort, and transfer tape production program. The billing information may be received from one or more telecommunications carriers via magnetic tape, disk, or data communications lines (referred to hereafter for simplicity as "billing tape" or simply "tape"). The information is received in formats roughly corresponding to the logical record layouts according to which that information is stored in each carrier's data processing facilities. Because this information will be obtained from the carrier as unstructured (flat-file) dumps of their accounting databases, records for a particular customer may appear in several files and consequently may be widely distributed along the tape. Therefore, in the first sort, the system first sorts all billing data received on the carrier tape by customer identification code and originating station number to group all records for a specific customer together.

The editing and table accumulation program performs the bulk of the mainframe processing work. This program handles the entire set of records received on the carrier tape in one pass, processing one record at a time. Since these records have been previously sorted by customer identification code and originating station number, each record is edit-checked to ensure that the appropriate type of data is contained in each field. Since the invention contemplates receiving billing information from multiple carriers, a generic internal record format is defined, to which each billing record received from various telecommunications carriers is converted according to a carrier-specific algorithm. For most records in the input stream (and particularly call-detail records), the editing and table accumulation program generates a corresponding output record in the generic format. In addition, this program accumulates data to produce for each customer a variety of precalculated summary reports and graphs which are included on the diskette bill and are thus available for display on the user's personal computer with minimal additional personal computer processing. These include the following:

- number of calls, length, and total call cost for each accounting or project code;
- number of calls, length, and total cost for day, evening and night calls for each carrier;
- number of calls, length, and total cost of calls of each call type;
- number of calls, length, and total cost for day, evening, and night calls to each terminating area code;
- number of calls, length, and total cost for calls of each product type (i.e. carrier's marketing plan);
- number of calls, length, and total cost for day, evening, and night calls from each site or location identifier;

- number of calls, length, and total cost for calls made from each originating station and authorization code;
- graphs showing historical usage by month; and
- graph showing number of calls made by hour of the day.

While these tables could be generated on the subscriber's personal computer by conventional methods using information present in call-detail records without the mainframe preprocessing contemplated by this invention, this would require a time-consuming front-to-back scan of the entire contents of the database. By preprocessing these tables on a computer with greater processing and storage resources, the present invention optimally makes the most commonly-needed reports and graphs immediately available upon the user's request, at the relatively modest expense of additional mainframe processing and additional PC database storage requirements.

In order to pass the preprocessed report information along to the user's personal computer via the diskette bill, the editing and table accumulation program generates new information records in addition to those from the input stream which are merely edited and reformatted. The ultimate target of the carrier-supplied billing information is a database located on the user's personal computer, which database is organized, at the logical level, into a number of tables. To permit subsequent processing steps to identify the information contained in records, each record which is outputted by the editing and table accumulation program has a record-type identifier, specifying the particular database table to which the record belongs.

Two additional activities are performed during the mainframe processing segment to prepare the data for transfer to a "PC Processing" network. After the editing and table accumulation program has completed, a second sorting step sorts the output file by customer identification code and record-type identifier to place the records in an optimal order for creating diskette bills and for loading the information on the diskette into the database on the user's personal computer. At this point, a file exists on the "mainframe" computer in which, for each customer whose billing information appeared on the carrier billing tape, all records are grouped consecutively, and among the records for a particular customer, all records of a specific type are grouped consecutively. A transfer tape production program adds control records expected by the "PC Processing" software at the beginning and end of this file, and surrounding the data for each carrier, customer, and table within the file. The output of the transfer tape production program is then written to a tape which will be transported to the "PC Processing" network.

In order for the customer to display and further analyze this edited and preprocessed information using the customer's personal computer, it must be placed on PC-compatible diskettes. According to the invention, the production of such diskettes is optimally performed using a network of PC-class computers. The diskette production segment is therefore referred to as "PC processing."

The "PC Processing" network reads the tape containing mainframe-processed billing records, and for each customer represented thereon produces one or more diskettes compatible with the customer's personal computer and containing that customer's telephone bill information. The network is preferably implemented

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using commercially available IBM Token-Ring hardware and Novelle network software. A Tape Controller PC (TCPC) with a disk drive and a 9-track tape drive is used to read the tapes produced by the mainframe. Two File Server PC's (FSPC's) with large disk drives temporarily store billing information read from mainframe tapes until diskette bills have been successfully prepared. Also stored on the FSPC's is a master database used to track tapes and diskette bills which have been prepared by the system. Several Loader Controller PCs (LCPC's), each controlling an automated diskette loader, manage production of diskette bills. The automated diskette loader includes a diskette drive connected to the LCPC and a mechanical arrangement controlled by the LCPC which can insert and remove diskettes without operator assistance.

The "PC Processing" network operates under the control of several programs which manage the production of diskette bills. A transfer tape transcription program reads information from the mainframe-produced transfer tape. For each tape read, an entry identifying the tape is placed in the master database. For each customer found on the tape, the transfer tape transcription program looks up the customer's record in the master database to determine which size and capacity diskette that customer requires. The transfer tape transcription program then determines which of the automated diskette loaders is capable of producing that diskette, and identifies the least busy loader. The transfer tape transcription program obtains the next available disk control number (DCN) (a tracking number uniquely and serially assigned to each set of diskettes produced by the system) from the master database. The transfer tape transcription program then copies all the data for the current customer from the tape onto a file server subdirectory assigned to the identified loader. The transfer tape transcription program makes a number of house-keeping entries in various database tables and begins processing the next customer's data from the mainframe tape.

On each loader controller PC, an automated loader control program manages the actual production of diskette bills. The automated loader control program continually examines the file server subdirectory assigned to the automated diskette loader it controls. When the automated loader control program finds a file in this subdirectory, it copies the file onto a disk in the loader controller PC, applying a data compression algorithm. Data compression reduces the number of diskettes which must be produced for customers with large numbers of call-detail records. In addition, compression enhances security, since without facilities provided by the user application on the customer's personal computer, the information would be difficult to decode. The automated loader control program then copies the compressed data onto one or more diskettes, instructing the automated loader to insert and remove diskettes as required. When the automated loader control program finishes preparing diskettes for a particular customer, it automatically examines its assigned file server subdirectory to determine if files for additional customers are available.

The master database on the "PC processing" network maintains an inventory of tapes received, diskettes produced, and other customer-service related information. A package of inquiry and update programs is available to customer service agents enabling them to maintain and query this database. When new customers subscribe

to the service, entries are made in the master database. An export tape production program extracts certain customer information from this database (particularly the customer's carrier-assigned identification number and a separate customer ID assigned by the "processor") to produce an export tape which may be sent to the mainframe computer to update customer databases which may be stored thereon.

Detailed System Description

FIG. 1 is a data flow overview of a system in accordance with this invention for distributing PC-compatible diskette telephone bills to large-volume telecommunications customers. In brief, telephone communications customers 24 wishing to receive diskette telephone bills subscribe for this service with their telephone carrier 10. Participating carriers 10 provide appropriately selected billing information 12 for such all participating subscribers to a "processor" company 13 which, according to one aspect of the invention, segregates the billing data by subscriber, performs a mainframe computer preprocessing step 14 to produce a variety of in-depth billing analyses in the form of graphs and summary reports 16, and reorganizes both raw and analyzed billing data into an optimal format 18 for storage, manipulation, and display on commonly available personal computers (referred to herein as "PC's"). The processor 13 then performs a PC processing step 20 which writes this information onto one or more diskettes 22 which are compatible with the subscriber's personal computer, and distributes these diskettes to the subscribers 24. Then the subscriber, using an inexpensive personal computer 25 and PC-compatible software according to another aspect of the invention, can display and analyze a telephone bill with greater efficiency and flexibility than possible using the conventional paper bill. By appropriately selecting the billing information 12 which is obtained from the subscriber's carrier, however, the invention provides a telephone bill on diskette which is exactly reconciled with a standard paper bill supplied by the carrier.

The PC aspect of the invention includes an application software package, capable of running on an IBM-PC-compatible computer 25 and capable (under the direction of the end user) of: 1) displaying the telephone bill or any portions of the telephone bill in its ordinary or paper bill format; 2) displaying the bill or selected portions of the bill sorted in a non-conventional order (for example, call detail records sorted by length of call); 3) displaying a variety of pre-processed summary reports and graphs useful in analyzing the subscriber's telecommunications costs; and 4) displaying non-pre-processed reports according to user-formulated ad-hoc query requests.

But extensive processing is required to put the information 12 received from the carrier into an optimal form for use in a personal computer 25, and it is this processing which is carried out on the mainframe class computer 14. The steps of obtaining and rearranging appropriate billing information obtained from the carrier 10 are outlined in FIGS. 2-1 and 2-2, which is a block diagram showing an overview of the data flow in the "mainframe processing" segment 14 of FIG. 1.

Mainframe Processing

FIGS. 2-1 and 2-2 illustrates a batch program in which billing information from one or more telecommunications carriers 10 is received via magnetic media

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or telephone communications channels in formats roughly corresponding to the logical record layouts according to which the information is presently stored in each carrier's data processing facilities. Appropriate data is selected from the carrier's accounting databases and written to tape 46 in an unstructured, flat-file format. The invention contemplates that the records for any given communications customer will most likely appear in several files in a non-serial fashion and consequently will be widely distributed along the length of the tape. Accordingly, a program TPSB010 is responsible for retrieving the information from the tape and performing an extensive and complex mainframe processing procedure in order to reduce the information to a form which is sufficiently compact and compatible to be subsequently manipulated on a personal computer.

The operation of FIGS. 2-1 and 2-2 first performs a sort 48 on the entire input data from tape 46 to produce an intermediate file 50 containing the original information rearranged in customer number and station number order. In step 52 a number identifying the telecommunications carrier for which the bills are to be produced is read. It is contemplated that this information will be retrieved from either an operator's console, an 80-column card, or any other suitable input device. The TPSB010 program shown in step 54 edits and reformats the data into a format that the target PC 25 can process. The processing in step 54 contemplates that abort messages and other operator response or intervention can take place during processing as indicated by step 56. All edit error information and balance control information is compiled in a report 16A, which is a portion of the report output 16 of FIG.

As a result of processing step 54, records in a format designated "PCdata," customer numbers with invalid data, and balance control information all move to respective temporary storage files on respective data storage disks 1, 2, and 3, as shown by steps 60, 68 and 70. In addition to reformatting the original billing records, program TPSB010 accumulates summary reports and graphs for each customer and incorporates this data as additional records in file 60. Each record outputted by program TPSB010 includes a numeric record type identifier. SORT 2 (step 62) reorganizes the records in intermediate file 60 by customer number and record type, placing the results into temporary file 64. For each customer, all records of a particular type are now grouped together.

The data in temporary files 64, 68 and 70 is used by a second mainframe program known as TPSB020 as indicated by step 66. The latter is designed to convert the data into a PC-compatible data stream which is then stored on a 9-track tape medium in step 72. During the processing indicated in step 66 abort messages may be received as shown by step 74. On completion of the processing by program TPSB020 and writing of the final data to the 9-track tape, all edit error information and balance control information is compiled as reports 16B, which corresponds to a portion of the reports indicated at 16 in FIG. 1.

Attention is directed next to FIG. 3 which is a block diagram overview of the data flow in the "PC processing" segment 20 of FIG. 1. The PC processing system has a tape reader 78 which reads the 9-track tape that was prepared in step 72 of FIGS. 2-1 and 2-2. The output of the tape reader 78 is fed to a TCPC (Tape Controller PC) 80, which could be an IBM PC AT class machine, PS/2, or equivalent product having a 20-

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megabyte hard disk drive 81. Upon reading the tape information the PC 80 drives printer 82 to prepare an identification label for each individual customer diskette. The PC 80 also drives a second printer 84 which prepares mailing labels for the individual customers' diskettes.

PC 80 stores the data received from the reader 78 on a local area network 83 which includes one or more FSPCs (file server PCs), such as a file server #1, designated 84, and a file server #2, designated 86. This local area network may employ any standard local area network architecture appropriate for micro-class computers such as a ring, token ring, or other distributive area network system. It is also contemplated that this local area network will be driven by software commonly available for local area networks, such as that produced by such companies as Novell and 3-Com.

For each customer, billing records received from the PC 80 by the local area network are temporarily stored in a file on either file server #1 or file server #2, depending upon a determination by PC 80 as to which server has fewer files waiting to be processed in its queue. Attached to file server #1 is a personal computer labelled 88, and a counterpart is attached to file server #2 designated 90, which are both available for on-line handling of customer service inquiries and updating transactions as necessary.

Each file server 84 and 86 transmits through the local area network individual customer information to be placed upon respective individual customer diskettes by one or more LCPC's (loader control PC's) which may be micro-class personal computers 92, 94, and 96 having respective 20-megabyte fixed disk drives 93, 95 and 97. Attached to each of these micro-computers are respective 5¼" and 3½" floppy diskette loaders 98, 106 and 102 which transfer the individual customer information onto individual customer diskettes of the required size. This data is preferably stored on the floppy disks in a compressed format.

FIG. 4 is a block diagram overview of the data flow in the "user application" segment 24 of FIG. 1. The floppy diskettes 22 (see also FIG. 1) are those which were produced on the loaders 98, 106 and 102 of FIG. 3. Each set of diskettes 22 constitutes an individual customer's telephone bill as supplied by the processor 13 of FIG. 1, arranged in a particular manner that facilitates rapid manipulation by the customer's personal computer running a user application program 105 according to this invention, which has been previously supplied to the customer by the processor 13 or carrier 10 of FIG. 1.

The user application program 105 includes a user application database file 108. This file is maintained on a fixed disk in the user's personal computer and stores the information for a single telephone bill (i.e. a single month's billing for a single customer) for rapid and flexible information retrieval. The database file has a structure compatible with a selected commercially available data base management system program, preferably a program widely sold under the name "RBASE." In step 106, information from a new diskette bill 22 (which was compressed as described in the section discussing FIG. 3) is restored to uncompressed form and loaded into the database file 108. Since the database file 108 may contain only a single month's bill (except for a small amount of historical trend information), each time a new diskette bill 22 is received, any previous bill in the database must first be removed. The

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user application program 105 will store such previous bills removed from the database file 108 in non-database (i.e. "flat") archive files 110, which may be reloaded into the data base file 108 from time to time for further analysis.

The user application program then performs a step 112 which selects the appropriate data necessary to prepare reports of different types and extract specific information from the available data base. The resulting reports may then be printed out as standard reports or ad hoc inquiries 114, preprocessed reports 120, graphic reports 126 or a payment coupon for transmission along with payment of the bill to the telecommunications carrier 10. The first three reports can also be written to storage files 116, 122 and 128, or displayed on the video screen of the customer's personal computer 25 as indicated at 118, 124 and 130 respectively.

TPSB010

We now turn our attention to FIG. 5, which is a flow chart showing details of the main loop of the TPSB010 program 54 used in the mainframe processing segment of FIGS. 2-1 and 2-2, and FIGS. 6-1 and 6-2 which is the initialization routine carried out before entering the main loop illustrated in FIG. 5.

Apart from branching to program junction P2 which jumps to other program routines discussed below, the initialization routine of FIGS. 6-1 and 6-2 begins with step 178 where the program reads a carrier control data card 180 (or other information input device) identifying the telephone communications carrier whose individual customer records are currently being processed. Program step 182 then determines whether the carrier identification number is a valid carrier number. If the answer is negative, then in step 184 the program advises the operator of a program abort condition. Then the operator will be required to perform some manual process (step 186) before the program aborts as indicated by step 188. If a valid carrier identification number is detected by the system at step 182, however, then in step 190 the customer information is read from an input file 192, which corresponds to the data file 50 of FIG. 2.

The next step is 194, which detects an abnormal abort condition, i.e. no data at all in the file. If step 194 detects an end-of-file condition, then in step 196 the operator is notified of an abort condition, thus requiring a manual response 198 by the operator, after which the program is aborted at step 200.

If an abnormal end-of-file condition is not detected at step 194, however, then a second end-of-file (EOF) test 194 is performed to detect a normal end-of-file condition, i.e., one which occurs at the conclusion of normal processing. The reason why test 194 only detects abnormal end-of-file conditions is because its input comes from step 190 at the beginning of an input record read. Test 195, in contrast, has a second input coming from program jump P8 in FIG. 5, which occurs repeatedly for each individual record. The affirmative output of step 194, therefore, goes to jump point P3 leading to the end-of-file processing routine described below in connection with FIG. 11. Conversely, the negative output of test 194 goes to step 202 which will initialize the working storage space and set up the control fields for customer processing and proceed to program branch point A4 which enters the main loop of FIG. 5.

At this point step 148 of the main program loop determines whether the program is continuing with the same customer as on the previous processing cycle, or

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whether processing of that customer has been completed and processing of a new customer started. It does this by determining whether the current customer ID number is or is not equal to the one processed by the previous processing cycle. If they are not equal, then a new customer is being processed and the program jumps at junction P4 to a customer break processing routine which continues at FIG. 10, described below. Subsequently, the main loop of FIG. 5 is reentered at program junction A5.

If the customer ID's are equal, however, then there is no customer break and the program proceeds in step 154 to test whether there has been a change in the current customer's station ID number. If there has been a change, the program jumps at P5 to the station number break processing routine discussed below in connection with FIG. 9, and the main loop of FIG. 5 is reentered at junction A5.

If the station number continues to be the same as on the last processing cycle, however, then the program jumps at branch point P7 to an input data editing routine discussed below in connection with FIGS. 7-1 and 7-2. The main loop of FIG. 5 is then reentered at point A7, where program step 162 determines whether there are any errors. If there are, the program immediately goes to step 174, to read the next record from temporary file 50 (FIG. 2), and exits through a program jump P8 to the error detection routine described above in connection with FIGS. 6-1 and 6-2.

If there are no editing errors, the program jumps to branch point P6 leading to the call detail accumulation routine of FIG. 8, discussed below, and the main loop of FIG. 5 is reentered at program point A6 leading to step 170 which writes a call detail record (also referred to as "record type 4") to a file 60 on data storage disk 1 (FIGS. 2-1 and 2-2). The program also then goes on to perform step 174 and jump to program point P8 as described above.

We turn next to FIGS. 7-1 and 7-2 for a detailed discussion of the "input data editing" section of "main frame processing" segment TPSB010 of FIGS. 2-1 and 2-2. The overall purpose of this step or process is to determine if an error condition exists as to any of several factors reviewed in the customer's telephone information, and to produce the necessary operator reports and files as to any error conditions detected.

Starting with program jump P7 from FIG. 5 described above, the first step 206 of this data edit process is a determination by the program of whether the customer identification number for the currently processed customer consists of only numeric values and of whether these values are greater than 0. If this determination is negative, then step 208 will notify the system operator that the program is aborting and that the program will be held frozen until the required operator response 210 is received. Then the program will abort as indicated by step 212.

Should the test of step 206 be affirmative, however, then the customer identification information is passed on to step 214 to determine if the telephone station number of the telephone call currently being processed is numeric and has a greater value than 0. If not, then program step 216 will set an error switch. Then at step 218 a determination is made whether the telephone call duration information for the currently processed telephone call is numeric and is greater than 0. If that condition is not true, then an error switch is set in step 220.

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In step 222 the program determines whether the charge amount for the currently processed telephone call is numeric and greater than 0. Should that be false, then an error switch is set by step 224. Should the charge amount be numeric and greater than 0 the currently processed call information is then passed on to step 226 which determines if an error switch has been activated by any of the above-described steps 216, 220 or 224. If so, the program invokes step 228 to create an error report which may be written directly to disk 2 as described above (step 68 of FIG. 2). The error report created by step 228 also is written by step 232 to another file on disk 1 which corresponds to step 60 of FIG. 2. In any case, the program then sends the currently processed telephone call information on to program junction A7 which reenter it into the main loop data flow of FIG. 5.

For more information regarding the call detail information accumulation process of the "main frame processing" program of FIG. 2, we now turn to the flow chart of FIG. 8. This routine is entered at program jump point P6 coming from the main program loop of FIG. 5 described above. The first step 238 accumulates the total number of calls, their duration, and their charges according to a standard geographic breakdown known as "NPA." The next step 240 does the same accumulation, broken down by call types, i.e., evening, off-hour or daytime full rate calls. The next step 242 does the same accumulation, broken down by customer station number. The information accumulated by steps 238, 240 and 242 is then returned for processing via program jump A6 for reentry into the data flow of the main program loop of FIG. 5.

For a more detailed understanding of the station number break routine we now turn to FIG. 9, which is a flow chart of the station number break processing section of the "mainframe processing" segment TPSB010 of FIGS. 2-1 and 2-2. This routine is entered via program jump point P5 coming from the main loop of FIG. 5. In the first step 246 a "statsum rec" or station summary record (also designated a record type 5) is created and written to output disk 1, corresponding to step 60 of FIGS. 2-1 and 2-2. This is a summary of total telephone usage in terms of the number of calls, call duration and charges, broken down by geographical area and call type, for a given customer calling station. This record is written to file 60 of FIGS. 2-1 and 2-2. The next step 250 accumulates station sum records for all customer stations, broken down by call duration and charges, for the current customer. Then in step 252 the program resets the station accumulation fields and break fields to their initial values before going on the next station for the current customer.

We now come to FIG. 10 which is a flow chart of the customer break processing section of program TPSB010 used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine is entered by way of program jump P4 from the main loop of FIG. 5. The program's first step 258 prepares and writes a "carsum rec" or carrier sum record (also designated record type 3) which covers the same information as the "statsum rec" of FIG. 9 but contains the total figures for all telephone calls and their duration and charges for all customer stations for a given customer and a given telephone carrier. This information is then sent for on-line storage to a file on disk 1, corresponding to step 60 in FIGS. 2-1 and 2-2. Similarly, step 262 prepares and writes to disk 1 (step 60 of FIG. 2) a "NPAsum rec" or

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NPA summary record (also designated record type 7) which contains the same information broken down geographically, e.g., by area code. The next step 264 prepares and writes to disk 1 (step 60 of FIG. 2) a "code-sum rec" or code summary record (also designated record type 6) which contains the same information broken down by call type code, i.e., evening, off-hour or daytime full rate calls.

The next step 268 prepares and writes a report 16A (see also FIGS. 2-1 and 2-2), containing customer detail balancing information. Next in step 272 the carrier totals are accumulated, broken down by calls, duration, and charges. Thereafter in step 274 the program resets the customer accumulation fields and customer break fields, after which the program jumps via junction A4 back to the main program loop of FIG. 5.

We now refer to FIG. 11 which is a flow chart of the "end of the file processing" section for processing program TPSB010 used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine starts with program jump P3 from the "end of file" test 194 of the initialization routine of FIGS. 6-1 and 6-2. It then proceeds with step 284 in which the program prepares and writes the information for a carrier control record (also known as record type 1) to disk 1 of FIGS. 2-1 and 2-2, a procedure which corresponds to program step 60 of FIGS. 2-1 and 2-2. Next step 288 prepares and writes a balance control record to disk 2 of FIG. 2, a procedure which corresponds to program step 68 of FIG. 2. Next step 292 writes a balancing report to file 16A of FIG. 2, which corresponds to a portion of report 16 in FIG. 1. Thereafter the entire job is terminated.

TPSB020

For details of the TPSB020 program portion of the main processing procedure illustrated in FIGS. 2-1 and 2-2, we turn first to the flow chart of FIG. 12 which represents the main program loop, and the flow chart of FIG. 13 which represents an initialization routine. The "initialization" procedure of FIG. 13 begins with step 320 which represents the reading of an information stream 321 consisting of information coming from files 64, 68 and 70 and information coming from file 60 after it has been sorted by step 62 in the mainframe processing program of FIGS. 2-1 and 2-2. This information is then written to a temporary online storage file 322. In step 324 this information stream is tested to determine if an end-of-file condition is present. If it is present in step 326 the program immediately sends an abort signal which requires an operator response 328 to abort the system at step 330.

If no end-of-file condition exists, the information stream is sent on to step 332 to test for the presence of type one record, a carrier control record. If a carrier control record is not present the program at step 334 ceases execution and requires an operator response 336 which causes the system to abort at step 338. If the carrier control record is present, then the next step 340 is to set up working storage and control fields, after which the program returns via program jump A12 to the main processing loop of FIG. 12, where it enters at program point P12.

In the main loop of FIG. 12 the system first seeks to determine at step 300 whether an end-of-file condition exists. If so, then there is a program jump A13 to program point P13 in the end-of-file processing routine of FIG. 16, described below. If an end-of-file condition is not encountered, then the input data stream 321 (see

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FIG. 2) is read in step 308 and written to an online storage file in step 310 to be used by other portions of the processing system. Step 308 is also executed when the main loop of FIG. 12 is entered at program point P14 coming from jump A14 of the "write PC transmit tape" routine of FIGS. 15-1 and 15-2, discussed below. After step 308 the program exits at point A15 and jumps to entry point P15 of FIG. 14, to which we turn next.

FIG. 14 is a flow chart of the "check customer error" routine of for the processing program TPSB020 used in the "mainframe processing" section of FIGS. 2-1 and 2-2. Entry into the routine of FIG. 14 is at program point P15. The first program step 344 is used to test for an end-of-file condition. If such a condition is present the system must next determine at step 346 whether the customer number was contained on the customer error file 60 (see FIGS. 2-1, 2-2, 7-1 and 7-2). If the answer is yes, then in step 348 that fact is printed in an edit error report 16B (see FIGS. 2-1 and 2-2) which represents a portion of report 16 in FIG. 1. If the answer to test 346 is negative, or after the entry to error report 16B is made, this routine exits at point A12, and reenters the main loop of FIG. 12 at entry point P12.

If the end-of-file test at step 344 is negative, the program must then determine at step 352 whether there is an error, but the error does not affect the customer ID number (i.e., the current customer number equals the correct customer number). If so, then the program at step 354 accumulated the duration and charges and the number of the customer's calls by reading the input file data stream 321 (step 356), writes that information to a temporary file 358, and exits at A16 to the program routine of FIGS. 15-1 and 15-2.

If at step 352 there is an error and the current customer number is not equal to the correct customer number, then the system must determine at step 364 whether the error customer number is greater than the correct customer number. If that condition is found, then the system must determine at step 366 whether the customer was on the error file. If the customer appears on the error file then the information is passed on to be reported on error report 16B mentioned above. Thereafter, or if the result of test 366 is negative, the program exits from this routine at A12 to reenter the main loop at P12 in FIG. 12.

If at step 364 there is an error and the current customer number is not greater than the correct customer number, then the system must determine at step 372 whether the error customer number is less than the correct customer number. If that condition is found, then at step 374 the error information from file 68 (FIGS. 2-1 and 2-2) is read and written to a temporary file 376, after which the routine exits at A12, reentering the main loop of FIG. 12 at P12. If the test performed in step 372 is negative, however, the routine exits at A16 to enter the routine of FIGS. 15-1 and 15-2 at P16.

FIGS. 15-1 and 15-2 is a flow chart of the "write PC transmit tape" section for the TPSB020 processing program used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. It starts out at step 380 where the program determines whether the current record type being processed is the same record type as was previously cycled. If that condition is false then step 382 determines whether a "start" record exists. If so, then the program will write a PC "end" control record to the file in step 384. In either case, it will next determine the corresponding record type in step 386 and in the next step 388 write a "start" PC control record.

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In the event of a negative answer to test 380, or after the conclusion of step 388, step 390 then reads the record type of the current record. Steps 392, 400, 406, 412, 418, 424 and 430 in turn then determine if the current record type is 1, 2, 3, 4, 5, 6, or 7 respectively. If it is a record of type 1, then step 394 writes a "carrier control" record to be placed on the nine-track mainframe tape 72 which was discussed in connection with FIGS. 2-1 and 2-2. Similarly, if it is a record of type 2, 3, 4, 5, 6, or 7, then steps 402, 408, 414, 420 426 and 432 respectively writes "customer control, carrsum, calldet, statsum, codesum" and "NPAsum" records respectively to the nine-track mainframe tape 72. In each case, after the tape 72 is written to, the program routine in step 398 accumulates the balancing totals and then exits via program jump A14 to entry point P12 of the main loop, FIG. 12.

FIG. 16 is a flow chart of the "end of file processing" section for the TPSB020 program used in the "mainframe processing" segment of FIGS. 2-1 and 2-2. This routine is entered at program point P13 coming from jump point A13 of the main loop, FIG. 12. At step 436 the program reads the balance information record 438 previously stored online in file 70 of FIGS. 2-1 and 2-2. The program next determines in step 440 whether an end-of-file condition exists. If so, the program in step 442 will notify the operator of a program abort and halt execution until there is an operator response 444, after which the abort step 446 takes place. If the end-of-file test is negative, then a determination must be made whether the accumulated totals are equal to the balance record totals. If not, then in step 450 the program performs an abort sequence 450, 452, 454 similar to the previously described sequence 442, 444, 446.

If the test at step 448 is affirmative, however, then the program's next step 456 is to add the PC end data characters onto the data stream records and write it onto the nine-track tape 72 of FIGS. 2-1 and 2-2, after which the program terminates.

PC Processing

We now turn to the programs used in the "PC processing" segment of FIG. 3 for the reading of a mainframe-produced tape. FIG. 17 is a flow chart of the PC processing system's first program, designated "SBPROC01—read mainframe produced tape." This program begins at step 460 where it reads the output data tape 72 which was created in FIGS. 2-1 and 2-2, and which contains the processed carrier telephone bill data. The program's next step 462 is to obtain the current tape number and log it to a tape control table. (At the same time, the tape creation date and time, the number of records on the tape, the number of customers on the tape and the carrier ID are logged to the tape control table at 462.)

Next, in step 464 the system reads the "start customer" record which in itself is not the data but delimits the data belonging to a particular customer's billing information. The system then goes on to determine if an end of tape condition exists in step 466. If such a condition does not exist then in step 468 the program searches for the customer number in a customer table (CustTab). The program then in step 470 determines the disk type (5¼" or 3½") required for the particular customer by looking at the information in the aforesaid CustTab tables. The program then in step 472 checks the Loadr Tab (loader table) to obtain a proper loader number for the required size of target diskette, thus choosing be-

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tween 5¼" loaders 98 and 106 on the one hand and 3½" loader 102 on the other hand. The program then in step 474 goes on to determine which loader (if there is a choice of two or more) has the smallest number of data files in its queue, and selects that one as a means of maintaining an even processing flow to the loaders.

The program in step 476 then reads a system parameters (SysParam) table to determine the next file control number (FCN), after which it updates the SysParam table. Afterward the program at step 478 copies the customer data to the disk file. In step 480 the program then adds a record to update a file control table; and in step 482 it produces a summary report of the transactions just described. If required, at step 484 it produces an error report. The program then loops back and reenters the program sequence at the start customer reading step 464, and recycles.

At step 466, if the determination is that there does exist an end-of-tape condition, then the program proceeds in step 488 to update the tape control tables (TapCnTab) and in step 490 to produce a summary report. If required, in step 492 it produces an error report. At this point, the routine described in FIG. 17 ends.

We now turn to FIGS. 18-1 and 18-2 which is a flow chart of the program referred to as SBPROC02, the loader control program used in the "PC processing" segment of FIG. 3. This loader control program begins its processing in step 494 by reading a configuration file into its memory. This enables the system to determine what is online and what are the requirements of the individual customer diskettes are. The program in step 496 then checks the appropriate subdirectory on the hard disk where the customer data file would be located, and performs a test 498 to determine if there is such a data file.

If the determination in step 498 is that the required data file does not exist, then the program loops infinitely back to steps 496 and 498 until it finds that such a file exists to be processed. By the use of this infinite loop, the system can continually poll or check to see if a file to be processed has been entered into the appropriate subdirectory.

If step 498 determines that such a file does exist, then the program in step 504 seeks out the oldest file in the appropriate directory, and in step 506 it reads and compresses that file and writes it to the local hard disk drive "C:". In step 508 it then gets the next available disk control number from the system parameters table (SysParam) so that it has the information necessary to format the target diskette in the appropriate manner. At the same time this operation updates the system parameter table by incrementing the disk control number by one.

The next program step 510 obtains a copy of the processing file created in step 506 above and copies that processing file to the disk loader in order to create the actual diskette data file. The program then at step 512 prints the disk labels and mailing labels. The next step 514 in the operation obtains from the system parameter (SysParam) tables the next available invoice control number and advises the system parameter table to increment the value by one.

The program then at step 516 creates the appropriate invoice record and prints a paper invoice at step 518 from which the customer can pay the telephone bill. Thereafter the program gets a disk control number (DCN) record (step 520), updates the fields of that re-

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cord (step 522), and adds the record to a disk control (DC) table (step 524). It also updates the CustTab table mentioned previously (step 526), prepares a data disk summary report (step 528), and if necessary produces an error report (step 530). Thereafter the program loops back to reenter the subdirectory check step 496 and the described process is repeated as many times as necessary.

FIG. 19 is a flow chart of a program designated SBROC03 used in the "PC processing" segment of FIG. 3 for creating a mainframe-readable export tape. This is used by the mainframe processing system in updating its list of valid customers and producing the appropriate data streams for individual customer billing in future processing cycles. The program begins at step 534 where it reads the aforementioned system parameters (SysParam) table to determine what the next available export tape control (EXN) number is. It then obtains the next record from the aforementioned CustTab tables in step 536, reformats it and writes to the export tape in step 538.

The program next looks for an end-of-file condition in step 540 and if the condition does not exist, it loops back to step 536, to get the next CustTab record. If the end of file condition is affirmative, however, the program in step 544 updates the export tape control tables (ExpCnTab) and in step 546 it prints a summary report of the export tape processing. This terminates the export tape routine.

PC Maintenance Program

We now turn to a program for updating the end-user program as changes in service conditions may require. This program is operated on the computers 88 or 90 of the network of FIG. 3 by the processor company whenever the needs of the telephone company or its subscribers require.

FIG. 20 is a flow chart of the main-menu section for the above-mentioned file maintenance program. The program is menu-driven, and the main menu display 548 allows a determination of what areas the processor wishes to change. In steps 550, 558, 566, 574, 582 and 592 the program determines whether the operator has selected submenu 1 (the carrier menu), submenu 2 (the customer menu), submenu 3 (the error menu), submenu 4 (the reports menu), submenu 5 (the system maintenance menu, or chooses to exit to DOS (the IBM personal computer operating system), respectively. If none of the above are selected, the program loops back to the start and continues to search for an operator selection from the main menu. The submenu choices mentioned above lead to program jump points 1.0, 2.0, 3.0, 4.0 and 5.0 respectively which are traced to their appropriate program routines in the following discussion.

FIG. 21 is a flow chart of the "Add New Carrier" section for the file maintenance program. When the "Add New Carrier" submenu is invoked this routine is entered via program jump 1.0 from FIG. 20. At that point step 596 gives the operator the option of using the escape key on an IBM PC keyboard, and if that key is invoked then the operator is returned to the main menu of FIG. 20 as indicated at step 598. If the escape key is not invoked, then the operator instead may invoke the add-carrier function key, whereupon program step 600 which will produce a data entry display 602 on the video screen.

If the operator inputs new information into the display 602, the program will determine in step 606 if the

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new information has a proper carrier ID. If there already exists a carrier ID on file for the new carrier, then the system will display an error message 608 indicating that fact, and the program loops back to step 604 for reentry of the information. If there is no carrier ID on file as determined in step 606, then the program at step 610 will display a query message "Add Record to Carrier File?" If in response to that query message an escape key is actuated, then at step 612 the program will return to submenu 1. If, on the other hand, in response to the "Add Record To Carrier File?" prompt, some other action is taken by the operator, the files will be updated accordingly. In addition, in step 616 the fields of the data entry form 604 will be cleared and the program will back to step 604 to accept further manual data input.

If the operator selects some action other than the add carrier function in step 600, the program exits at point 1.2 to go to another routine illustrated in FIG. 22. The latter figure is a flow chart of the "Edit Existing Carrier" section for the file maintenance program. Another option 618 on the carrier submenu is editing the carrier information. If the operator chooses this option, the program in step 620 asks if the operator wishes to choose a carrier ID which is already on file. The program then determines in step 622 if the chosen carrier ID is in fact on file. If not, the program in step 624 will display an error message and loop back to step 620 to ask again if the operator wishes to use an old carrier ID.

But if at step 622 it is determined that the selected carrier ID is already on file, then the program in step 624 displays the relevant carrier record, and at step 626 asks the operator for any changes to the carrier record. It then updates the carrier record in step 628. If the carrier is to be deleted, the program in step 630 queries the user, and upon receiving an affirmative answer, then in step 632 it carries out the deletion and loops back to submenu 1. If the result of step 630 is in the negative, indicating that the carrier is not to be deleted, the program will also return to submenu 1.

If the edit carrier query of step 618 is answered in the negative, in step 634 the program will ask whether the operator wishes to browse through the carrier files. If the user responds negatively, then the user is returned directly to submenu 1. If the answer is affirmative, then the program in step 636 will display the information contained in the carrier file. When the operator finishes browsing through the carrier file, exit is to submenu 1.

FIG. 23 is a flow chart of the "Add New Customer" section of the file maintenance program used in the "PC Processing" network of FIG. 3. This routine is entered from program point 2.0, which represents a jump from program point 2.0 of FIG. 20. The first determination made by the system at step 638 is whether the operator wishes to exit the display customer menu. An affirmative answer, indicating by invoking the escape key, results in a return to the main menu (step 640). Should the operator choose to invoke some other key, then the "Add Customer" query is displayed in step 642. If the operator does not choose the "Add Customer" option, then the program jumps at 2.2 to the "Edit Existing Customer" section of the file maintenance program, which is discussed below in connection with FIG. 24.

If the operator chooses the "Add Customer" option offered in step 642, then the appropriate data entry form is displayed in step 646. Then in step 648 the system accepts the new information entered into the data form and in step 650 proceeds to check whether the new

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customer identification number is already on file. If so, then an error message is sent to the display in step 652 and the program loops back to step 648 to accept new data entry once again. If the new customer ID is not already on file, then the program will proceed in step 654 to add a record to the customer file.

The program in step 656 then offers the operator an option to escape from the current submenu and return to submenu 2 in step 658 if the operator invokes the escape key. Otherwise, the program in step 660 will clear the fields on the data entry form and loop back to step 648 for the acceptance of additional new customer information.

FIG. 24 is a flow chart of the "Edit Existing Customer" section for the customer service file maintenance program. It is entered through program jump 2.2 from FIG. 23 just described. Where the operator invokes the "Edit Customer" option of the customer submenu offered in program step 662, then the program at step 664 accept new customer ID information. The new customer ID information is then evaluated by the program at step 666 and a determination is made as to whether there is already such a customer ID on file. If there is, the appropriate existing customer record is displayed at step 668. Then at step 670 the program accepts changes to the relevant customer record and at step 672 the record is updated. The program then returns to submenu 2 in step 674.

But if at step 666 the customer ID is found not to be on file, the program displays an error display message to that effect and the program then returns to step 664 for the entry of valid new customer ID data.

If at step 662 the operator does not select the edit customer option step 676 offers an option to browse through the customer information file 678 (step 678). After browsing is completed, or if the browse option is refused, the program exits to step 674 and redisplayes submenu 2.

FIG. 25 is a flow chart of the "Display Errors" section for the file maintenance program. It is entered through program jump 3.0 from FIG. 20 described above. The program first determines in step 680 if the operator wishes to return to the main menu (step 682), a selection which is invoked by means of the escape key. If the operator chooses some other option, the program at step 684 asks whether the operator wishes to update an error record. If the operator chooses to do so, then the user is presented by program step 686 with an opportunity to input an error entry control number. The system then determines at step 688 if the error control number is on file. If it is, at step 690 the requested error record is displayed. The program then at step 692 affords the operator an opportunity to changes to the error status. If such changes are made, then the program at step 694 updates the error record. At the end of the error record update, the program exits to submenu 3 in step 696.

If in step 688 the determination is that there is no such control number on file, then an error message is displayed in step 698. The program then returns to step 686 for correct entry of error control numbers.

If the operator chooses not to update an error record in step 684, the operator is given an option in step 698 to invoke the browse function for the error file display. If that option is exercised, then in step 700 the error file display is actuated. Afterwards, or if the user does not choose, in step 698 to select the browse function, the program returns to submenu 3 in step 696.

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FIG. 26 is a flow chart of the "Display Reports" section for the file maintenance program. The program is entered by program jump 4.0 from FIG. 20. In step 702 it presents an option to exit to the main menu if the escape key is invoked. Otherwise the operator is presented in step 706 with an option to select the report of customers by cycle. If that function is invoked, then the program in step 708 will get the data from the customer file and print it out as a document 710. The program then returns to submenu 4 at step 712.

If the operator elects not to invoke the report of customers by cycle at step 706, then step 712 present the option of obtaining a report of customers with no usage. Should the operator invoke that function, the program at step 714 will get the data from the customer file and print out a customer report 716. The program will then go to submenu 4 in step 712.

Should the report of customers with no usage functionality not be invoked in step 712, then the next menu option will be the report of unacknowledged errors in step 718. If the operator invokes that selection, then the program will at step 720 obtain the data from the error file and in step 722 will print the unacknowledged error report. The program will then again return via step 712 to submenu 4.

Should the user not choose to invoke the report of unacknowledged errors in step 718, there is the remaining option of creating a report of unresolved errors in step 724. If that option is invoked, then the program in step 726 obtains the information from the error file, sends it to a printer to print an unresolved error report 728, and then returns to submenu 4 in step 712. If none of the available functions are not invoked, then the program will return directly to submenu 4.

FIG. 27 is a flow chart of the "System Maintenance" section of the file maintenance program. It is entered through program jump 5.0 from FIG. 20. This module first presents an option in step 730 to return to the main menu by actuating the escape key. If the operator does not exercise that option, the other choice is presented at step 734 to delete inactive customers. If that option is chosen, then the program at step 736 will delete the inactive records from the customer file and at step 738 will delete the associated records from the disk control table (DiskCnTab), the file control table (FileCnTab), and the invoice control tables (InvCnTab). In step 740 a report will then be printed of all of the deleted records. The program then returns to submenu 5 in step 742.

If the operator chooses not to invoke the Delete Inactive Customers function, there is a further option in step 744 of determining whether to perform a backup of files. If that option is invoked, then the program in step 746 performs the backup. After, or if that option is not chosen at step 744, the program returns to submenu 5 at step 742.

End-User-Application Program

We turn next to the "User Application" program summarized in FIG. 4, i.e. the program which is run by the end-users (telephone customers) on their own personal computers to analyze their telephone bills in accordance with the capabilities of this invention.

FIGS. 28-1 and 28-2 are a flow chart of the "Main Menu" section for the user application program, which begins with a sign-on screen display 748 of the publisher's logo and copyright notice. The program then in step 750 fetches an initial message or startup screen or

the like from an information file, and in step 752 displays it on the monitor.

Ignoring for the moment a program entry point M, which will be discussed later, the program in step 756 then displays the main menu of end-user choices. The first option available for selection on this menu level is a help key. If that key is invoked at step 758, then at step 760 the program will display the main help screen for this segment of the end-user processing program, and then loop back to step 756. Should the end-user not invoke the help key, the next possible selection, presented by step 762, is a billing inquiry. When this option is selected, the program will send the end-user to the billing inquiry submenu via program jump B which leads into FIGS. 29-31, discussed below.

If the end-user should not choose the billing inquiry, the next choice available (step 766) is a graph data function. If the end-user makes this choice, he or she will then be taken into the graph data menus of subsequently discussed FIGS. 32-34 via program jump B.

Otherwise in step 770 the user may next select a system utilities option. If that selection is invoked, then the user application program will be taken to a system utility menu via program jump S leading to FIGS. 35-1, 35-2, 36-1 and 36-2, discussed below.

The next available selection is in step 774 which permits the user to exit to DOS, the operating system of the user's personal computer. If the user chooses to invoke that selection, he will be taken into the operating system directly 776, and if the user chooses instead to invoke the escape key to reject all of the preceding choices, then in step 778 the program will also exit to the operating system.

FIGS. 29-1 and 29-2 are the first of five flow charts dealing with the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. It is entered via program jump B from FIG. 28, and begins in step 780 with display of a billing inquiry menu. This menu offers the user the choice of eight options: billing report, financial detail report, call detail report, call summary report, call summary report, display special text, ad hoc inquiry, help, and escape; which are implemented by program steps 782, 802, 806, 810, 818, 826 and 832 respectively.

The billing report option of step 782 and the financial detail report of step 784 are similar in their operation, differing only as to what information is extracted from the available databases for billing and for financial detail. After the user chooses either of these options, the program in step 786 reads from the system parameters (SysParam) file the currently selected output location (i.e., to the screen, to disk, to the serial port, to the parallel port) for the billing or financial detail report, and in step 788 the program then displays the current output location to the screen. The program in step 790 will then accept any changes to the output location, and in step 792 updates the current output location in the SysParam file to make that the new default output location.

Depending on whether the selection of step 782 or that of step 784 was made, the program at step 794 will then get the appropriate report header information from the SysParam file layout and the appropriate data from the revenue file for either the billing report or the financial detail report. The appropriate information is then sent in step 798 to be printed (although if a disk file or the screen had been chosen as the output location in step 786 it would have been written to disk or to the

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monitor respectively). At the end of step 798 the program returns via program jump B to initial step 780 in order to redisplay the billing inquiry menu.

If the call detail report is chosen at step 802, program jump B1 goes to the call detail menu of FIGS. 30A-1 and 30A-2, discussed below. Should the user select the call summary report at step 806 then it takes jump B2 to the call summary menu of FIG. 31A.

Step 810 offers a special text option. As presently contemplated, there are three types of special text, but there could be any number. The purpose of the special texts is to provide the system with the same features as a written bill. Standard preambles or preliminary messages may be added to the billing information in the same manner as they appear on paper bills. In addition, an epilogue might be added to the end of the bill text to advise customers of the late status of their account. Other types of material such as banners, headers, footers or textual material might also be added to make the bill more informative and flexible in the manner of a conventional bill. Such special information could be added to the bill by the individual subscriber upon request of the processor or the carrier.

If the user selects the option of step 810, then in step 812 the program gets the special text from an information file and in step 814 displays it on the screen. Then the program returns via jump B to step 780 in order to redisplay the initial billing inquiry menu.

When the user invokes the special ad hoc inquiry option of step 818, at step 820 the program gets the necessary records from the call detail (CallDet) file and in step 822 it displays these records for browsing by the end-user at 822. Afterward, it returns via program jump B to step 780 to redisplay the billing inquiry menu.

If the help function of step 826 is invoked, the program in step 828 will display the billing inquiry help screen, after which it again returns via program jump B to step 780 to redisplay the billing inquiry menu.

The final selection from the billing inquiry menu is the escape key, whereupon step 832 return to the main menu of FIG. 28 via program jump M.

FIGS. 30A-1, 30A-2, 30B-1 and 30B-2 are flow charts of the "Display Call Detail" subsection of the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. The segment represented by FIG. 30A-1 and 30A-2 are entered by way of program jump B1 from FIG. 29, previously discussed, and begins in program step 836 with display of a call detail menu. The options presented to the user by this menu include the report selection function of step 838. If the user actuates that function the program will take program jump B1-2 to FIGS. 30B-1 and 30B-2.

Turning our attention now to that figure, program jump B1-2 leads to step 840 which displays a report selection menu. Then at step 842 the program tests to determine whether one of the reports offered by that menu has been selected. If a report has not been selected and the user invokes the escape key, the program step 844 returns via program jump B1 to FIG. 30A.

If in step 842 the user should select a particular report, then step 846 the appropriate report header data is obtained from the SysParam file so that the report can be properly formatted. The program then in step 848 obtains the current option and report number from a call data record selection (CDRS) file. The option number designates the type of report format requested by the user, and in particular designates how much of the available information is to be included in the report. An

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option number of "1" specifies that all of the available information is to be put in a single file, while higher numbers specify that the report is to be broken into several smaller files. The report number is a numerical file name for each of the file(s) containing the report which is to be written to disk.

Accordingly, in step 850 the program tests whether the current option number is greater than 1. If not, then all the available information is to be included in a single file, and the program goes immediately to step 852 where it sorts the call detail records. But if the option number is greater than 1, then a plurality of files must be written to disk under distinct file names (report numbers). In that case step 852 increments each previous report number by 1 and step 854 updates the current report number in the CDRS file so that numerically distinct file names are assigned to each of the several report files which are written to disk. Thereafter in step 855 the program reads the data selection criteria corresponding to the user's choice from the SysParam file, and in step 856 it selects from the call detail file the records designated by those criteria and sends them on for performance of the previously mentioned sort step 852.

After sort step 852, in step 857 the program gets the call detail report output location, i.e., monitor, printer, disk, etc. is determined from the system parameter file. Then, as before, the report is passed on to step 858 in which the system prints the call detail report to the designated device (location).

Returning now to FIG. 30A-1 and 30A-2, the negative branch of test 838 leads to program step 860 which tests whether the selection from the call detail menu of step 836 is the record selection. If so, the program in step 862 then gets the call detail record selection (CDRS) records and the current option number from the system parameter (SysParam) file. This information is then displayed on the screen in step 864, and in step 866 the program accepts an changes the user chooses to make in the displayed information. Finally, in step 868 the SysParam and CDRS files are updated and the program returns via jump B1 to the entry point of FIGS. 30A-1 and 30A-2.

The report location menu option in step 870 permits the user to determine what device, i.e., monitor, screen, export file, printer, disk file, etc. should be the destination of the report to be generated by this area of the program. If this option is chosen, then in step 872 the program gets the current call detail (CD) report location from the SysParam file, and in step 874 the program displays the current output location on the screen, and the user is prompted to make any changes. In program step 876 the program accepts any changes to the report output location, and in step 878 it updates the corresponding information in the call detail report output location records. The program then returns via jump B1 to the display call detail menu at the entry point of FIGS. 30A-1 and 30A-2.

In program step 880 the user may select the help key. If the help key is selected, then in step 882 the call detail report help screen is displayed and the program then returns via jump B1 to the entry point of FIGS. 30A-1 and 30A-2.

The last option available on the menu of FIG. 30A is the selection of the escape key in step 884. Should that key be actuated the program returns via jump B to the entry point of FIG. 29.

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FIGS. 31A-1, 31A-1 and 31B are flow charts of the "Display Call Summary" subsection of the "Display Billing Inquiry" section for the "User Application" program of FIG. 4. The segment illustrated in FIGS. 31A-1 and 31A-2 are entered via the B2 program jump which comes from FIG. 29-1 and 29-2, discussed above, and leads first to step 886 which displays a call summary menu. If the user actuates the call summary report selection from that menu in step 888, then the program will exit via program jump B2-2 to FIG. 31B where it performs step 890 to display a report selection menu. If a report is selected from that menu, as determined by step 892, then in step 894 the program gets the report header data from the system parameter file. Thereafter in step 896 it gets further information from the selected summary file, and in step 898 the program computes the report totals. Then in step 900 it gets the call summary output location from the SysParam file, and in step 902 prints the report to the designated location for printing or display or disk storage as determined from the system parameter file. At the end of that process the program returns to step 890 to redisplay the report selection menu.

If in step 892 no report selection is made, and instead the escape key is actuated, the program exits via jump B2 to FIG. 31A.

Returning now to that figure, if the report selection menu is not selected in step 888, and the report location option is selected in step 906, then the program in step 908 will get the current summary report output location (screen, printer or disk file) from the system parameter file, and in step 912 it will display that location to the user so that changes can be made. If such changes are made, then in step 914 the program proceeds to update the current summary report output location in the system parameter file. Having accomplished this, the program returns via jump B2 to the entry point of FIG. 31A in order to redisplay the call summary menu.

The user has two other options on the menu of FIGS. 31A-1 and 31A-2, one of which is a help function selected in step 916. If that choice is made then in step 918 the call summary help screen is displayed. Upon leaving this submenu, the program returns to the via jump B2 to the call summary menu step 886.

The final selection available on this menu is the escape function, which in step 920 leave the call summary menu and moves back up to a higher level menu via program jump B.

FIG. 32 is a flow chart of the "Graph Data" selection for the "User Application" program of FIG. 4. This routine is entered via program jump G from FIGS. 28-1 and 28-2, and proceeds to step 922 which displays the graph data menu. This menu has four choices represented by program steps 924, 926, 930 and 934. If the user chooses the help function of step 924, the graph data help screen will be displayed by step 925, after which the program returns to step 922 to, redisplay the graph data menu.

Among the user's other selectable options are historical usage (step 926), call distribution (step 930) and escape (step 934). If the historical usage function is selected by the user, the program branches via jumps point G1 to FIG. 33. Similarly, if the user selects the call distribution graph (step 930), the program exits via jump G2 FIGS. 34-1 and 34-2. The last available alternative for the user on the graph data menu display is the escape key function (step 934) which terminates the graph data menu display and returns to the main menu

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via jump M. FIGS. 33-1, 33-2, 34-1, 34-2, 35-1 and 35-2, to which these jumps lead, will now be discussed.

FIGS. 33-1 and 33-2 are a flow chart of the "graph historical usage" section of the "graph data" portion of the "User Application" program of FIG. 4. It is entered via program jump G1 from FIG. 32, as discussed above, whereupon program step 938 displays the historical graph menu. From that menu the user may select the help function (step 940) which will display the historical graph help screen. On the completion of a help screen session the user will be returned to the historical graph menu of step 938.

Among the other choices on the historical graph menu are the total charges function of program step 944. Once this step is actuated, the program at step 946 will read the call charge (ClChg) tables to obtain the appropriate data to fulfill the request for total charge information graphs. The program then in step 948 computes the necessary graph values and determines the corresponding screen positions for graphic display. The graph thus computed then displayed on the monitor in step 950. At the close of the display graph session, the program returns to the historical graph menu of step 938.

The next two options available to the user from the historical graph menu include that of program step 952, a historical graph illustrating total usage, and that of the total DB/CR (total debit/credit records) function in program step 954, both of which cycle through the above-described steps 946, 948 and 950, returning then to step 938, in the same manner as the total charges selection of program step 944. The DB/CR data relates exclusively to non-call-detail records, such as leased phone lines, leased equipment, and the like; and is to be distinguished from the call detail information called for by steps 944 and 952.

The remaining option in the program section of FIGS. 33-1 and 33-2 are the escape function, which in step 966 will terminate the historical graph menu session and exit via program jump G to the entry point of FIG. 32.

FIGS. 34-1 and 34-2 are a flow chart of the "Graph Hourly Call Distribution" subsection of the "Graph Data" section for the "User Application Program" segment of FIG. 4. It is entered via program jump G2 from FIG. 32, and leads immediately to the call distribution graph of step 958. Should the user then actuate the help selection offered by program step 960, program step 962 will present a screen providing help for the Call Distribution Graph Function. After that help session is completed the program returns to the distribution graph menu step 958.

If the user chooses the month alternative of step 964, the program then will, in step 966, read from the call distribution file table (CallDist file) the necessary information to produce the graph called for. Having obtained that information, the program in step 968 then processes the information to compute the necessary values for determining the graph's appearance on the screen, and in step 970 sends the results on to the display device. At the termination of the graph display the program returns to the distribution graph menu of step 958.

Should the user decide to display the weekly distribution graph of program step 972, the user must advise the system of what specific week of the current month is desired to be graphed (step 974). Similarly, should the user decide to display the daily distribution graph of

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program step 976, the user must advise the system of what specific day of the current month is desired to be graphed (step 977). After that is done, in both cases the program then cycles through previously described steps 966, 968 and 970, to display the weekly or daily graphs as the case may be, eventually returning to step 958 in the manner explained above.

The remaining alternative for the user in this particular menu is step 978, the escape function, which terminates the call distribution graph menu session, returning via program jump G to FIG. 32.

FIGS. 35-1 and 35-2 are a flow chart of the "System Utilities" section for the "User Application" program of FIG. 4. It is entered via program jump S from FIGS. 28-1 and 28-2 described above, and goes immediately to a system utilities menu at step 980. Among the choices available from that menu is that of step 982, archiving the data of the current billing cycle. Should the user choose that particular option, in step 984 a "working" message is displayed on the screen while step 986 is executed to archive all the inputted data of the current billing cycle. When the archival processing job is completed, the program then returns via program jump S to step 980 in order to redisplay the system utilities menu.

Among the other menu selections that are available to the user is the load new data function of step 988. When that option is selected, the program exits via jump S2 to a routine described below in connection with FIGS. 36-1 and 36-2.

Next the user may choose (in step 990) to print the actual invoice. Upon selection of that particular menu item the invoice will actually be prepared and printed in step 992, after which the program executes jump S to return to the menu display function of step 980.

Should the user choose the option of step 994, billing information, the program in step 996 will display the billing information on the monitor, after which the program returns via jump S to step 980 to redisplay the system utilities menu.

The next option is the help function 998 offered by step 998. Upon the actuation of that particular selection the program will in step 1000 display the system utility help screen and then return via jump S to the system utilities menu at step 980.

The final alternative selection on this menu is the escape key (step 1002), which terminates the system utilities menu session and returns to the next higher level, the main menu of FIGS. 28-1 and 28-2, via program jump M.

FIGS. 36-1 and 36-2 are a flow chart of the "Load New Data" subsection of the "System Utilities" section for the "User Application Program" segment of FIG. 4. It is entered via program jump S2 from FIG. 35, previously described, whereupon step 1006 will display a message advising the user that the program is being loaded. The system then in step 1008 opens an input file in which will be stored the new data to be loaded and an error file to track all associated error information. The program in step 1010 then writes the start date and time to a log file. The system then in step 1012 fetches from the input file an appropriate record which will subsequently be loaded into the database.

After each such fetch operation the program executes a loop starting with a test 1014 to determine if the fetched data represents an end-of-file condition. If such a condition exists, the load procedure is completed, and accordingly the program in step 1016 will then close the database into which the data has been loaded. Thereaf-

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ter, in step 1018 it will check the integrity of the newly created database file. And at the conclusion of the database integrity check, the program will end the loading data session and return to the system utilities menu via program jump S leading back to FIGS. 35-1 and 35-2.

If in step 1014, however, an end-of-file condition is not detected, then in step 1020 the program determines if an error has occurred. If so, in step 1022 the error will be logged to the error file previously created in step 1008, and the program loops back to step 1012 to fetch another record.

The data coming from the source file is in a compressed form, as explained above. Therefore, if the program does not encounter an error in step 1020, then in step 1024 it will use its decompression algorithm to expand the fetched data to make it suitable for subsequent use by the R-base program, and only then will load the data to the target database table.

During loading, the screen informs the user of the processing which is going on. In step 1026, therefore, after each record is expanded and loaded, the screen display is updated to reflect the processing just concluded, and the program recycles back to step 1012, continuing to do so until the end-of-file condition is detected by step 1020.

CONCLUSION

It will now be appreciated that the system of this invention provides a means for preparing on diskette telecommunications or similar bills in an optimal format for further processing, display, and analysis under customer control on popularly-available, inexpensive personal computers.

For each participating customer, the appropriately selected billing records are obtained from the telecommunications carrier. In contrast to prior art systems, the system processes not only call detail records, but additional billing records to account for equipment rental charges, monthly service fees, payments, adjustments, taxes, and any other items affecting the amount billed to the customer. In addition, all billing records are obtained from the carrier at a stage in the carrier's ordinary billing process after the carrier has posted to the subscriber's account all charges and credits, has performed all billing-related calculations for that subscriber, and is ready to print a paper bill. By selecting this specific stage of carrier bill processing from which to extract billing information, the invention ensures that the information supplied on diskette will exactly correspond to that on the paper bill.

Extensive preprocessing of these billing records is performed to place the records in a form compatible for use with inexpensive personal computers, and to provide flexible, efficient access to the original records and to a variety of summary reports and graphs accumulated therefrom. In a first processing step, preferably performed on a large computer, the records are sorted, edited and reformatted into an optimal organization for further processing on a personal computer. In addition, a variety of preprocessed summary reports and graphs are prepared for rapid retrieval on the customer's computer. By preprocessing these summary items on a computer with greater processing and storage resources, the invention optimally makes the most commonly-needed reports and graphs immediately available upon the user's request, at the relatively modest expense of additional mainframe processing and additional PC database storage requirements. In a second step, preferably per-

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formed on a network of smaller computers, the reorganized records and summary reports for each customer are separated, compressed, and recorded on diskettes compatible with each customer's personal computer.

A user application program according to the invention on the customer's personal computer conveniently displays and analyzes the billing information supplied on diskette. The customer may retrieve the detailed billing records in a variety of sorted orders, may select a subset of the records for further analysis, may view the preprocessed summary reports and graphs, and may prepare new summary reports on demand. Previous telephone bills are kept in archive files for repeated analysis. Billing information may be displayed on screen, printed on a printer, or written to an unstructured file for analysis beyond that provided by the user application.

This system thus solves many of the disadvantages encountered in prior-art systems for collecting, processing and analyzing billing information under customer control. Diskette bills and the user application program are optimally compatible with popularly available, inexpensive personal computers, eliminating the need for customers to own or operate large, expensive computers and software. The system provides to users billing information in computer-readable form, eliminating expensive and error-prone data-entry and manual processing steps. The system processes complete billing records and obtains these records from originating carriers at the proper stage to ensure that the diskette bills and analysis produced therefrom exactly correspond to the equivalent paper bills.

The above-described embodiment of the invention is merely one example of a way in which the invention may be carried out. Other ways may also be possible, and are within the scope of the following claims defining the invention.

The invention claimed is:

1. A system for presenting information concerning the actual cost of a service provided to a user by a service provider, said system comprising:
 - storage means for storing individual transaction records prepared by said service provider, said transaction records relating to individual service transactions for one or more service customers including said user, and the exact charges actually billed to said user by said service provider for each said service transaction;
 - data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;
 - means for transferring at least a part of said individual transaction records from said storage means to said data processing means;
 - said data processing means generating preprocessed summary reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;
 - means for transferring said individual transaction records including said summary reports from said data processing means to said personal computer data processing means; and
 - said personal computer data processing means being adapted to perform additional processing on said

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individual transaction records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said selected records including said exact charges actually billed to said user.

2. A system as in claim 1 wherein: said preprocessing operations include preparation of summary reports and graphs.
3. A system as in claim 1 wherein: said data is reorganized into a table format suitable for loading into an operative data base structure for said personal computer processing means.
4. A system as in claim 3 wherein said data base is RBASE.
5. A system as in claim 1 wherein: said data processing means comprises a first and a second data processor, said first data processor being adapted to perform said selection of said records and said second data processor being adapted to perform said preprocessing of said selected records.
6. A system as in claim 5 wherein means are provided for transferring data from said first data processor to said second data processor.
7. A system as in claim 1 wherein said data processing means comprises a single data processor adapted to perform said selection and said preprocessing operations.
8. A system for presenting, under control of a user, usage and actual cost information relating to telecommunications service provided to said user by a telecommunications service provider, said system comprising:
 - telecommunications service provider storage means for storing records prepared by a telecommunications service provider relating to telecommunications usage for one or more telecommunications subscribers including said user, and the exact charges actually billed to said user by said service provider for said usage;
 - data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;
 - means for transferring at least a part of the records from said service provider storage means to said data processing means;
 - said data processing means generating preprocessed summary reports as specified by the user from said telecommunications usage records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;
 - means for transferring said telecommunications usage records including said summary reports from said data processing means to said personal computer data processing means; and
 - said personal computer data processing means being adapted to perform additional processing on said telecommunications records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said telecommunications usage records including said exact charges actually billed to said user.
9. A system as in claim 8 wherein said records prepared by said telecommunications carrier comprise for

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each said telecommunications subscriber all information required for said telecommunications carrier to produce an ordinary telecommunications bill for that telecommunications subscriber.

10. A system as in claim 8 wherein said selected records relating to telecommunications usage and cost comprise at least one telecommunications call detail record corresponding to a unique telecommunications call to be billed to said subscriber, said call having a length determined by said telecommunications carrier.

11. A system as in claim 10 wherein said telecommunications call detail record includes an exact indicia of a charge assessed by said telecommunications carrier to said subscriber for said call.

12. A system as in claim 10 wherein said telecommunications call detail record includes an exact indicia of the length of said call determined by said telecommunications carrier.

13. A system as in claim 10 wherein:

said data processing means creates additional records containing information derived from said preprocessing operations;

an information interchange media means transfers said additional records from said data processing means to said personal computer data processing means;

said personal computer data processing means being adapted to, under the control of a user, perform additional processing on said additional records created by said data processing means; and to present a subset of said additional records as chosen by said user.

14. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a carrier code identifying a carrier through which said call was billed.

15. A system as in claim 14 wherein:

said data processing means, responsive to said carrier code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls billed through said carrier; and stores said summary in carrier summary records on an intermediate storage means in said data processing means.

16. A system as in claim 15 wherein said additional records comprise at least one carrier summary record created by said data processing means.

17. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a site code identifying a customer location from which said call was placed.

18. A system as in claim 17 wherein:

said data processing means, responsive to said site code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls placed from each said customer location; and

stores said summary in site code summary records on an intermediate storage means in said data processing means.

19. A system as in claim 18 wherein said additional records comprise at least one site code summary record created by said data processing means.

20. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of an originating station number from which said call was placed.

21. A system as in claim 20 wherein:

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said data processing means, responsive to said originating station number indicia, accumulates for each said telecommunication subscriber a summary of said telecommunications calls placed from each said origination station number; and

stores said summary in originating station number summary records on an intermediate storage means in said data processing means.

22. A system as in claim 21 wherein said additional records comprise at least one originating station number summary record created by said data processing means.

23. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a date when said call was placed.

24. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a time when said call was placed.

25. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a locality where said call was terminated.

26. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a political region where said call was terminated.

27. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a terminating station number to which said call was placed.

28. A system as in claim 27 wherein:

said terminating station number indicia includes indicia of a carrier-recognized geographical area to which said call was placed;

said data processing means, responsive to said geographical area indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls placed to each said carrier-recognized geographical area; and

stores said summary in geographical area code summary records on an intermediate storage means in said data processing means.

29. A system as in claim 28 wherein said additional records comprise at least one geographical area code summary record created by said data processing means.

30. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a length in time of said call.

31. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a project accounting code to which said call should be attributed.

32. A system as in claim 31 wherein:

said data processing means, responsive to said project accounting code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls to which each said project accounting code was attributed; and

stores said summary in project accounting code summary records on an intermediate storage means in said data processing means.

33. A system as in claim 32 wherein said additional records comprise at least one project accounting code summary record created by said data processing means.

34. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of a billing classification code associated with said call by said carrier.

35. A system as in claim 34 wherein:

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said data processing means, responsive to said billing classification code indicia, accumulates for each said telecommunications subscriber a summary of said telecommunications calls associated with each said billing classification code; and stores said summary in billing classification code summary records on an intermediate storage means in said data processing means.

36. A system as in claim 35 wherein said additional records comprise at least one billing classification code summary record created by said data processing means.

37. A system as in claim 12 wherein each said telecommunications call detail record comprises one or more indicia of a call cost associated with said call by said carrier.

38. A system as in claim 13 wherein each said telecommunications call detail record comprises one or more indicia of miscellaneous information associated with said call by said carrier.

39. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

40. A system as in claim 8 wherein an information interchange media means in the form of a magnetic disk is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

41. A system as in claim 8 wherein an information interchange media means in the form of a data communications line is employed as said means for transferring at least a part of the records from said carrier storage means to said data processing means.

42. A system as in claim 8 wherein:

said data processing means includes intermediate means for storing a plurality of said selected records for at least two of said subscribers during said preprocessing operations;

each of said selected records comprises at least indicia identifying each said telecommunications subscriber; and

said data processing means is adapted to sort said selected records responsive to said indicia identifying said telecommunications subscriber to group together logically on said intermediate storage means all of said selected records for each said subscriber.

43. A system as in claim 42 wherein:

each of said selected records corresponds to a telecommunications station number and further comprises at least indicia identifying said telecommunications station number; and

said data processing means is adapted to further sort said selected records responsive to said indicia identifying said telecommunication station number to group together logically on said intermediate storage means all of said selected records corresponding to each said telecommunications station number.

44. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed for transferring said selected records from said data processing means to said personal computer data processing means.

45. A system as in claim 8 wherein an information interchange media means in the form of a magnetic tape is employed for transferring said selected records from

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said data processing means to said personal computer data processing means.

46. A system as in claim 8 wherein an information interchange media means in the form of a data communications line is employed for transferring said selected records from said data processing means to said personal computer data processing means.

47. A method for presenting information on a personal computer data processing means concerning the actual cost of a service provided to a user by a service provider, said method comprising:

storing individual transaction records prepared by said service provider on a storage means, said transaction records relating to individual service transactions for at least one service customer including said user, and the exact charges actually billed to said user by said service provider for each said service transaction;

transferring at least a part of said transaction records from said storage means to a data processing means;

generating preprocessed summary reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;

transferring said preprocessed individual transaction records including said summary reports from said data processing means to at least one personal computer data processing means;

performing additional processing of said individual transaction records on said at least one personal computer data processing means utilizing said summary reports for expedited retrieval of data;

presenting a subset of said individual transaction records chosen via said at least one personal computer data processing means including said exact charges actually billed to said user; and

said data processing means and said at least one personal computer processing means comprising respective computation hardware means and respective software programming means arranged for directing the activities of said computation hardware means.

48. A method as in claim 47 wherein said records prepared by said service provider comprise for each said service customer all information concerning telecommunications services provided to said service customer and the applicable billing rates required for said service provider to produce an ordinary telecommunications bill for that service customer.

49. A method as in claim 47 wherein said selected records relate to telecommunications usage and cost and comprise at least one telecommunication call detail record corresponding to a unique telecommunications call to be billed to said service customer, said call having a length determined by said service provider.

50. A method as in claim 49 wherein said telecommunications call detail record includes an exact indicia of a charge assessed by said service provider to said service customer for said call.

51. A method as in claim 49 wherein said telecommunications call detail record includes an exact indicia of the length of said call determined by said service provider.

52. A method as in claim 49 wherein each said telecommunications call detail record comprises one or

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more indicia of a carrier code identifying a carrier through which said call was billed.

53. A method as in claim 52 wherein:

said data processing means, responsive to said carrier code indicia, accumulates for each said service customer a summary of said telecommunications calls billed through said carrier; and said summary is stored in carrier summary records on an intermediate storage means in said data processing means.

54. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a set code identifying a customer location from which said call was placed.

55. A method as in claim 54 wherein:

said data processing means, responsive to said site code indicia, accumulates for each said service customer a summary of said telecommunications calls placed from each said customer location; and said summary is stored in site code summary records on an intermediate storage means in said data processing means.

56. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of an originating station number from which said call was placed.

57. A method as in claim 56 wherein:

said data processing means, responsive to said originating station number indicia, accumulates for each said service customer a summary of said telecommunications calls placed from each said origination station number; and said summary is stored in originating station number summary records on an intermediate storage means in said data processing means.

58. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a date when said call was placed.

59. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a time when said call was placed.

60. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a locality where said call was terminated.

61. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a political region where said call was terminated.

62. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a terminating station number to which said call was placed.

63. A method as in claim 62 wherein:

said terminating station number indicia includes indicia of a carrier-recognized geographical area to which said call was placed;

said data processing means, responsive to said geographical area indicia, accumulates for each said service customer a summary of said telecommunications calls placed to each said carrier-recognized geographical area; and

said summary is stored in geographical area code summary records on an intermediate storage means in said data processing means.

64. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a length in time of said call.

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65. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a project accounting code to which said call should be attributed.

66. A method as in claim 65 wherein:

said data processing means, responsive to said project accounting code indicia, accumulates for each said service customer a summary of said telecommunications calls to which each said project accounting code was attributed; and

stores said summary in project accounting code summary records on said intermediate storage means.

67. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a billing classification code associated with said call by said service provider.

68. A method as in claim 67 wherein:

said data processing means, responsive to said billing classification code indicia, accumulates for each said service customer a summary of said telecommunications calls associated with each said billing classification code; and

said summary is stored in billing classification code summary records on an intermediate storage means in said data processing means.

69. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of a call cost associated with said call by said service provider.

70. A method as in claim 49 wherein each said telecommunications call detail record comprises one or more indicia of miscellaneous information associated with said call by said service provider.

71. A method as in claim 47 wherein an information interchange media means in the form of a magnetic tape is employed to transfer said selected records from said storage means to said data processing means.

72. A method as in claim 47 wherein an information interchange media means in the form of a magnetic disk is employed to transfer said selected records from said storage means to said data processing means.

73. A method as in claim 47 wherein an information interchange media means in the form of a data communications line is employed to transfer said selected records from said storage means to said data processing means.

74. A method as in claim 47 wherein an information interchange media means in the form of a magnetic tape is employed to transfer said selected records from said data processing means to said personal computer data processing means.

75. A method as in claim 47 wherein an information interchange media means in the form of a magnetic disk is employed to transfer said selected records from said data processing means to said personal computer data processing means.

76. A method as in claim 47 wherein an information interchange media means in the form of a data communications line is employed to transfer said selected records from said data processing means to said personal computer data processing means.

77. A method as in claim 47 wherein:

said data processing means includes intermediate means for storing during said preprocessing operations a plurality of said selected records for at least two of said service customers;

each of said selected records comprises at least indicia identifying each said service customer; and

5,287,270

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said data processing means is adapted to sort said selected records responsive to said indicia identifying said service customer to group together logically on said intermediate storage means all of said selected records for each said customer.

78. A method as in claim 77 wherein:

each of said selected records corresponds to a telecommunications station number and further comprises at least indicia identifying said telecommunications station number; and

said data processing means is adapted to further sort said selected records responsive to said indicia identifying said telecommunications station number to group together logically on said intermediate storage means all of said selected records corresponding to each said telecommunications station number.

79. A method as in claim 47 wherein said data processing means includes a first and a second data processor and means for transferring selected records from said first data processor to said second data processor, said first data processor being adapted for selecting said records relating to service usage and exact charges from said transferred transaction records and said second data processor being adapted for said preprocessing of said selected records, said second data processor being further adapted to create additional records con-

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taining information derived from said preprocessing operations for transfer to said personal computer data processing means.

80. A method as in claim 79 wherein said additional records comprise at least one project accounting code summary record created by said second data processing means.

81. A method as in claim 80 wherein said additional records comprise at least one carrier summary record created by said second data processing means.

82. A method as in claim 81 wherein said additional records comprise at least one billing classification code summary record created by said second data processing means.

83. A method as in claim 81 wherein said additional records comprise at least one geographical area code summary record recorded by said second data processing means.

84. A method as in claim 83 wherein said additional records comprise at least one originating station number summary record created by said second data processing means.

85. A method as in claim 84 wherein said additional records comprise at least one site code summary record created by said second data processing means.

* * * * *

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5. On information and belief, Defendant BellSouth Corporation ("BellSouth") is a Georgia corporation with its principal place of business at 1155 Peachtree Street, N.E., Suite 500, Atlanta, GA 30309-3610. BellSouth conducts business in Indiana.

6. On information and belief, Defendant Citizens Communications Company ("Citizens") is a Delaware corporation with its principal place of business at 3 High Ridge Park, Stamford, CT 06903. Citizens conducts business in Indiana.

7. On information and belief, Defendant Convergys Corporation ("Convergys") is an Ohio corporation with its principal place of business at 201 E. Fourth Street, Cincinnati, OH 45202. Convergys conducts business in Indiana.

8. On information and belief, Defendant Mid America Computer Corporation ("MACC") is a Nebraska corporation with its principal place of business at 111 Admiral Drive, P.O. Box 700, Blair, NE 68008-0700. MACC conducts business in Indiana, has registered to do business in Indiana, and has designated its registered agent for service of process as Lanté K. Earnest, 135 N. Pennsylvania Street, #2100, Indianapolis, IN 46204.

9. On information and belief, Defendant Qwest Communications International, Inc. is a Colorado corporation with its principal place of business at 1801 California Street, Suite 3800, Denver, CO 80202. Qwest Communications conducts business in Indiana.

10. On information and belief, Defendant Qwest Corporation is a Colorado corporation with its principal place of business at 1801 California Street, Suite 3800, Denver, CO 80202. Qwest Corporation conducts business in Indiana.

**IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION**

CENTILLION DATA SYSTEMS, LLC)	Civil Action No. 1:04-CV-0073
)	(LJM/WTL)
)	
Plaintiff,)	
v.)	
)	
CONVERGYS CORPORATION,)	
QWEST COMMUNICATIONS)	
INTERNATIONAL, INC., and)	
QWEST CORPORATION.)	
)	
Defendants.)	

CENTILLION DATA SYSTEMS, LLC'S MOTION TO CONSOLIDATE

Pursuant to Fed. R. Civ. P. 42, Centillion Data Systems, LLC (hereinafter "Centillion") respectfully files this Motion to Consolidate ("Motion") Civil Action No. 1:04-cv-02076-JDT-TAB with the above-captioned case. As set forth in detail below, the Court should grant Centillion's Motion to Consolidate because these two actions involve common issues of law and fact and, furthermore, because consolidation would promote judicial efficiency. In support of its Motion, Centillion states as follows:

I. FACTUAL BACKGROUND

1. Centillion is the owner of United States Patent No. 5,287,270 ("the '270 patent") which recites an invention for a system of electronic billing, processing, reporting, and analyzing, inter alia, telephone charges.
2. In September 2002, Centillion contacted Qwest Communications International, Inc.

(“Qwest Communications”) in an effort to offer Qwest Communications a license under the ‘270 patent because Centillion believed that a number of Qwest commercial software products were covered by some or all of the claims of the ‘270 patent.

3. Following Qwest’s refusal to engage in meaningful negotiations, Centillion then filed the above-entitled action against Qwest and six other defendants for patent infringement in this jurisdiction.

4. On or about May 11, 2004, Qwest Corporation, a subsidiary of Qwest Communications, then filed an action in the Western District of Washington against Centillion (“the Washington action”) seeking declaratory judgments of non-infringement and invalidity of the same ‘270 patent.

5. On June 8, 2004, Centillion amended its Complaint in the above-entitled action and named Qwest Communications and Qwest Corporation as defendants in this action.

6. On July 13, 2004, Qwest Corporation amended its Complaint in the Washington action to include Qwest Communications Corporation as a co-plaintiff in that action.

7. Centillion then moved on July 7, 2004 to dismiss, or in the alternative, to transfer the Washington action to this Court on the basis the above-entitled action had been previously filed and involved issues which were identical to those in the Washington action.

8. On November 12, 2004, the Court in the Washington action granted Centillion’s

Motion to Transfer (the "Washington Order"). Copies of the Washington Order and the Washington case file are attached hereto as Exhibit A. In the Washington Order, the Court stated that "[t]here is no dispute that the Indiana and Washington actions both involve the same questions of infringement and validity of the '270 patent." (See Washington Order, 4). The Washington action was then transferred to this Court and assigned Civil Action No. 1:04-cv-02076-JDT-TAB.

II. THE COURT SHOULD GRANT CENTILLION'S MOTION TO CONSOLIDATE

9. Centillion respectfully moves the Court to now consolidate the above-entitled action with Civil Action No. 1:04-cv-02076-JDT-TAB. Fed. R. Civ. P. 42 provides, in pertinent part:

(a) Consolidation. When actions involving a common question of law or fact are pending before the court, it may order a joint hearing or trial of any or all the matters in issue in the actions; it may order all the actions consolidated; and it may make such orders concerning proceedings therein as may tend to avoid unnecessary costs or delay.

10. This Rule codifies the extremely broad power of the District Courts to consolidate cases that was recognized by the Supreme Court of the United States as early as 1892. Mutual Life Ins. Co. v. Hillmon, 145 U.S. 285, 286 (1892). "Under the Rules, the impulse is toward entertaining the broadest possible scope of action consistent with fairness to the parties; joinder of claims, parties and remedies is strongly encouraged." United Mine Workers of America v. Gibbs, 383 U.S. 715, 724 (1966) (citing Fed. R. Civ. P. 42); see also In re Monon Telephone Co., 218 F.R.D. 614, 616 (N.D. Ind. 2003) (holding that actions should be consolidated under Fed. R. Civ. P. 42(a) due to common questions of fact and law and in the interest of judicial economy

and efficiency (citing MLR, LLC v. U.S. Robotics Corp., 2003 WL 685504 (N.D.Ill. Feb.26, 2003)); Miller Brewing Co. v. Meal Co., Ltd., 177 F.R.D. 642, 643 (E.D. Wis. 1998) (granting Motion for Consolidation where actions involved common issues of law and fact).

11. In this case, there is no dispute that the two civil actions pending in this jurisdiction involve identical questions of fact and law relating to the validity of the '270 patent and its infringement by Qwest Communications and the Qwest entities. Indeed, even Qwest Communications International contests the validity of the '270 patent claims in an affirmative defense contained its July 2, 2004 Answer in the above-entitled action. Qwest cannot point to any material legal or factual distinction between these two actions which would warrant separate adjudications and the additional expenditure of limited judicial resources.

12. Accordingly, a consolidation of such actions is feasible and would result in a substantial savings of expense to the parties by avoidance of duplication of effort, multiplication of papers and instruments filed, and a substantial savings of time to both the Court and the parties.

13. Furthermore, the Qwest defendants will suffer no prejudice from consolidation as there has been no activity or proceedings in Civil Action No. 1:04-cv-02076-JDT-TAB following its transfer from the Washington Court. Conversely, Centillion will suffer significant prejudice from being forced to litigate two separate actions involving identical issues of fact and law in the same Court.

III. CONCLUSION

For the foregoing reasons, Centillion respectfully requests that the Court consolidate Civil Action No. 1:04-cv-02076-JDT-TAB with the above-entitled action.

Respectfully submitted,

/s/ Hamish S. Cohen

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Centillion Data Systems, LLC*

CERTIFICATE OF SERVICE

I hereby certify that on January 21, 2005, a copy of the foregoing was filed electronically. Notice of this filing will be sent to the following parties by operation of the Court's electronic filing system. Parties may access this filing through the Court's system:

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/s/ Hamish S. Cohen

Hamish Cohen

I hereby certify that the
annexed instrument is a true
and correct copy of the original
on file in my office.

ATTEST: BRUCE RIFKIN
Clerk, U.S. District Court
Western District of Washington

By 
Deputy Clerk

UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF WASHINGTON
AT SEATTLE

QWEST CORPORATION and QWEST
COMMUNICATIONS CORPORATION,

Plaintiffs,

v.

CENTILLION DATA SYSTEMS, L.L.C. and
CTI GROUP (HOLDINGS), INC.,

Defendants.

CASE NO. C04-1088C

ORDER

This matter comes before the Court on Defendants' Motion to Dismiss or in the Alternative to Transfer (Dkt. No. 20). Having reviewed the materials submitted by the parties and being fully informed, the Court hereby GRANTS Defendants' Motion to Transfer and DENIES Defendants' Motion to Dismiss.

I. BACKGROUND

Centillion Data Systems ("Centillion"), a holding company for intellectual property, owns a patent for a particular system of electronic billing, processing, reporting, and analyzing telephone charges, U.S. Patent No. 5,287,270 ("the '270 patent"). CTI Group Holdings ("CTIG") is a licensee of the '270 patent and is in the business of selling telephone billing analysis software. Centillion and CTIG believe that

ORDER - 1

Exhibit A

1 certain Qwest billing products and services offered to customers in connection with Qwest's long-
2 distance services infringe the '270 patent. In September 2002, Centillion and CTIG contacted Qwest
3 Communications International, Inc. ("Qwest 1"), the parent company of the Qwest corporations, to
4 request that the parties meet regarding the '270 patent. Centillion and CTIG assert that during their
5 negotiations with Qwest throughout the following year, Qwest's corporate counsel responded on
6 "Qwest" letterhead, with a return address from "Qwest," and referenced "Qwest," "Qwest services," and
7 whether "Qwest infringes on the claims of the '270 patent through its Logic, Billmate, and integrated
8 access Billing System Services."

9 After Centillion and CTIG were unsuccessful in pre-litigation licensing negotiations, they filed suit
10 against "Qwest" and six other defendants for patent infringement in the Southern District of Indiana in
11 February, 2004 ("Indiana action"). Qwest 1 received a summons and the First Amended Complaint in the
12 Indiana action. On May 11, 2004, Qwest Corporation ("Qwest 2") filed the present action in the Western
13 District of Washington against Centillion and CTIG seeking declaratory judgments of non-infringement
14 and invalidity of the '270 patent ("Washington action"). On May 13, 2004, Qwest 1 submitted a Motion
15 for More Definite Statement in the Indiana action identifying Qwest 2 as the entity that it believes
16 "Centillion may have intended to accuse of patent infringement." On June 8, 2004, Centillion and CTIG
17 amended their complaint in the Indiana action, naming as defendants Qwest 1 and Qwest 2. On July 13,
18 2004, Qwest 2 amended its complaint in the Washington action to add Qwest Communications
19 Corporation ("Qwest 3") as a Plaintiff.

20 In sum, Centillion and CTIG are suing Qwest 1 and Qwest 2 in the Indiana action for infringement
21 of the '270 patent. At the same time, Qwest 2 and Qwest 3 are suing Centillion and CTIG in the
22 Washington action for declaratory judgment of non-infringement and invalidity of the '270 patent.
23 Centillion and CTIG seek to transfer this case to the District Court for the Southern District of Indiana on
24 the basis that a previously-filed action relating to identical issues is pending. In the alternative, Centillion
25 and CTIG request that this Court dismiss the amended complaint for lack of personal jurisdiction. Qwest

26 ORDER - 2

1 2 and Qwest 3 oppose transferring the case, arguing that there is no jurisdiction over Qwest 2 in Indiana,
2 and therefore, the first-to-file rule is inapplicable. They also oppose dismissing the case on the grounds
3 that this Court has personal jurisdiction over Centillion and CTIG.

4 II. ANALYSIS

5 The "first-to-file" rule allows a district court, in its discretion, to stay, transfer, or dismiss an
6 action when a case involving the same parties and issues has already been filed in another federal district
7 court. See *Cedars-Sinai Med. Ctr. v. Shalala*, 125 F.3d 765, 769 (9th Cir. 1997); *Alltrade, Inc. v.*
8 *Uniweld Products, Inc.*, 946 F.2d 622 (9th Cir. 1991). In applying this rule, the Court considers the
9 following factors: (1) the chronology of the two actions; (2) the similarity of the parties; and (3) the
10 similarity of the issues. *Z-Line Designs, Inc. v. Bell'O Int'l L.L.C.*, 218 F.R.D. 663, 665 (N.D. Cal.
11 2003). The Ninth Circuit has recognized that "increasing calendar congestion in the federal courts makes
12 it imperative to avoid concurrent litigation in more than one forum whenever consistent with the rights of
13 parties. A court may choose not to exercise its jurisdiction when another court having jurisdiction over
14 the same matter has entertained it and can achieve the same result." *Church of Scientology of Cal. v.*
15 *U.S. Dept. of Army*, 611 F.2d 738, 750 (9th Cir. 1979). Although the first-to-file rule was developed to
16 serve the purpose of promoting efficiency and should not be disregarded lightly, circumstances and
17 modern judicial reality may demand that the court follow a different approach. *Id.* The circumstances
18 under which an exception to the first-to-file rule typically will be made include bad faith, anticipatory suit,
19 and forum shopping. *Alltrade*, 946 F.2d at 628. Generally, a suit is anticipatory when the plaintiff filed
20 its suit upon specific, concrete indications that a suit by the defendant was imminent. *Ward v. Follett*
21 *Corp.*, 158 F.R.D. 645, 648 (N.D. Cal. 2003).

22 A. FIRST-TO-FILE RULE

23 Centillion argues that the first-to-file rule should apply because it filed its patent-infringement suit
24 against "Qwest" in Indiana three months before Qwest 2 filed its declaratory judgment action for patent
25 non-infringement and invalidity against Centillion and CTIG in Washington. However, Qwest 2 and

1 Qwest 3 point out that Centillion did not amend its complaint to name Qwest 2 in the Indiana action until
2 June, 2004, almost one month after Qwest 2 filed the Washington action. There is no dispute that the
3 Indiana and Washington actions both involve the same questions of infringement and validity of the '270
4 patent. The only issue is whether the naming of "Qwest" in the Indiana action sufficiently identified the
5 parties that filed suit in the Washington action. If so, then Centillion and CTIG will benefit from the first-
6 to-file rule.

7 If the identity of the corporation is reasonably clear, a misnomer in the complaint that is not
8 misleading or destructive as to the identity of the corporation may be treated as immaterial. *See, e.g.,*
9 *Grooms v. Greyhound Corp.*, 287 F.2d 95, 98 (6th Cir. 1961). Here, there is evidence on the record that
10 during pre-litigation negotiations, Qwest's own corporate counsel repeatedly referred to the potential
11 infringers as "Qwest" and made no distinction between the numerous Qwest entities. (*See, e.g.,* Defs.'
12 Mot. at Ex. K and Ex. L.) Thus, any confusion as to the entity names stemmed directly from "Qwest's"
13 counsel's reference to the allegedly-infringing products as "Qwest's" products. Moreover, Qwest 2's
14 filing of the Washington suit regarding the same patent demonstrates that the Indiana complaint
15 sufficiently put the Qwest entities on notice of the patent infringement action. For these reasons, the
16 Court is satisfied that the naming of "Qwest" as a defendant in the Indiana action does not reflect
17 sloppiness or disregard for corporate formalities. Thus, the Court finds it appropriate to transfer this
18 action to Indiana pursuant to the first-to-file rule.

19 B. ANTICIPATORY FILING

20 Even if the Court had found the first-to-file rule inapplicable in this action, the Court finds that
21 Qwest 2's filing of the declaratory judgment action in Washington was anticipatory. A suit is anticipatory
22 when the plaintiff filed upon receipt of specific, concrete indications that a suit by defendant was
23 imminent. *Ward*, 158 F.R.D. at 648. In this case, where the parties engaged in a year-long pre-litigation
24 negotiation that ultimately resulted in the filing of the Indiana action, the Court finds that Qwest 2 had
25 specific and concrete indications that a suit by Centillion against the right Qwest entity was imminent.

26 ORDER - 4

1 This is evidenced by the fact that two days after Qwest 2 filed the Washington action, Qwest 1 notified
2 Centillion in its Motion for More Definite Statement in the Indiana action that Centillion should have
3 named Qwest 2 as the proper defendant. Although the Court deems that the Indiana action was filed first
4 and thus met the first-to-file rule, the Court also finds that the Washington suit was anticipatory.

5 For these reasons, the Court finds that this action should proceed in concert with the Indiana
6 action. Accordingly, the Court GRANTS Defendants' Motion to Transfer and hereby transfers the case
7 to the Southern District of Indiana. The Court also finds that consideration of Defendants' Motion to
8 Dismiss for lack of personal jurisdiction is unnecessary in light of the Court's decision to transfer, and
9 therefore, DENIES Defendants' Motion to Dismiss.

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11 SO ORDERED this 12th day of NOVEMBER, 2004.

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/s/ John C. Coughenour
UNITED STATES DISTRICT JUDGE

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26 ORDER - 5

UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF WASHINGTON
OFFICE OF THE CLERK

BRUCE RIFKIN
CLERK

2004 DEC 21 PM 4:37

700 STEWART ST. LOBBY LEVEL
SEATTLE, WASHINGTON 98101

SOUTHERN DISTRICT
OF INDIANA
LAURA A. BRIGGS
CLERK

December 16, 2004

UNITED STATES FEDERAL COURT
105 UNITED STATES COURTHOUSE
46 EAST OHIO STREET
INDIANAPOLIS, IN 46204

1:04-cv-2076-JDT-TAB

RE: OWEST CORPORATION AND OWEST COMMUNICATIONS CORPORATION vs.
CENTILLION DATA SYSTEMS, L.L.C. AND CTI GROUP (HOLDINGS), INC.
C04-1088C

Dear Clerk:

Pursuant to the order transferring the above captioned case to your Court, enclosed are:

1. Certified copy of docket entries;
2. Certified copy of transfer order; and
3. Original case file documents.

Please acknowledge receipt of the above documents by returning the copy of this letter.

Very truly yours,

BRUCE RIFKIN, CLERK

By: 

L. SIMLE, Deputy Clerk

Enclosures

cc: counsel of record
file

CLOSED

**U.S. District Court
Western District of Washington (Seattle)
CIVIL DOCKET FOR CASE #: 2:04-cv-01088-JCC
Internal Use Only**

Qwest Corporation v. Centillion Data Systems LLC et al
Assigned to: John C Coughenour
Cause: 35:145 Patent Infringement

Date Filed: 05/12/2004
Jury Demand: Plaintiff
Nature of Suit: 830 Patent
Jurisdiction: Federal Question

Plaintiff

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ATTORNEY TO BE NOTICED

I hereby certify that the
annexed instrument is a true
and correct copy of the original
on file in my office.
ATTEST: BRUCE RIFKIN
Clerk, U.S. District Court
Western District of Washington

By  Deputy Clerk

Plaintiff

Qwest Communications Corporation

represented by **Stephen J. Tan**
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V.

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Date Filed	#	Docket Text
05/11/2004	<u>1</u>	COMPLAINT FOR DECLARATORY JUDGMENT OF NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT NO. 5,287,270 and JURY DEMAND against defendant(s) CTI Group (Holdings) Inc, Centillion Data Systems LLC (Summons(es) issued) (Receipt # 604640) , filed by Qwest Corporation. (Attachments: # <u>1</u> Exhibit 1 pgs. 7-18# <u>2</u> Exhibit 1 pgs. 19-28# <u>3</u> Exhibit 1 pgs. 29-38# <u>4</u> Exhibit 1 pgs. 39-48# <u>5</u> Exhibit 1 pgs. 49-58)(PM,) Additional attachment(s) added on 5/12/2004 (PM,). (Entered: 05/12/2004)
05/14/2004	<u>2</u>	APPLICATION by Plaintiff Qwest Corporation AND ORDER admitting J Manena Bishop for Qwest Corporation pro hac vice. Receipt # 604640. (LS,) (Entered: 05/14/2004)
05/14/2004	<u>3</u>	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK completed by Clerk. Original sent to the US Patent & Trademark Office. (PM,) (Entered: 05/14/2004)
05/17/2004	<u>4</u>	APPLICATION by Plaintiff Qwest Corporation AND ORDER admitting Hector G Gallegos for Qwest Corporation pro hac vice. Receipt # 604640. (LS,) (Entered: 05/17/2004)
05/17/2004	<u>5</u>	APPLICATION by Plaintiff Qwest Corporation AND ORDER admitting Vincent J Belusko for Qwest Corporation pro hac vice. Receipt # 604640. (LS,) (Entered: 05/17/2004)
05/21/2004		***Staff notes Preassignment of Judge Benton in the event of consent. (PM,) (Entered: 05/21/2004)
05/25/2004	<u>6</u>	MINUTE ENTRY setting status conference: The attorney who will be responsible for trying the case should attend the conference and be prepared to discuss the following matters at the conference: 1. The nature of the case, 2. The status of matters which are presently set before the Court, e.g., hearings, motions, etc., 3. The status of discovery and a time schedule for its completion, 4. A statement of any legal issues about which motions are contemplated and a possible briefing schedule, 5. An estimate of the number of days needed for trial, 6. Whether the case is jury or non-jury, 7. The date by which the case will be ready for trial, and 8. Settlement probabilities. Counsel for all parties are required to appear at the conference. If counsel office is outside of Seattle, arrangements can be made for telephonic participation in the conference. If counsel wish to make such arrangements, they should contact Julie Mahnke, Deputy Clerk at 206-553-4435. COUNSEL FOR THE PLAINTIFF IS DIRECTED TO NOTIFY ALL PARTIES OF THE DATE AND TIME OF THE SCHEDULED CONFERENCE. Status Conference set for 9/28/2004 09:00 AM before John C Coughenour. (JM,) (Entered: 05/25/2004)
05/26/2004	<u>7</u>	ORDER REGARDING DISCOVERY AND DEPOSITIONS by Judge John C Coughenour. (LS,) (Entered: 05/26/2004)
05/26/2004	<u>8</u>	SERVICE OF SUMMONS and Complaint returned executed upon defendant Centillion Data Systems LLC on 5/17/2004. (Tan, Stephen) (Entered: 05/26/2004)
05/26/2004	<u>9</u>	SERVICE OF SUMMONS and Complaint returned executed upon defendant CTI Group (Holdings) Inc on 5/17/2004. (Tan, Stephen) (Entered: 05/26/2004)
05/26/2004	<u>10</u>	STIPULATION of parties re <u>1</u> Complaint, <i>Extension of Time for Defendant to Answer or Otherwise Respond to Plaintiff's Complaint.</i> (Bodine, Brian) (Entered: 05/26/2004)

06/02/2004	11	STIPULATION AND ORDER by Judge John C Coughenour. The Court extends the deadline for dfts to answer or otherwise respond to pltf's complaint to 7/7/04.(CL,) (Entered: 06/03/2004)
07/06/2004	15	APPLICATION by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC AND ORDER admitting Michael C Greenbaum for CTI Group (Holdings) Inc and Centillion Data Systems LLC pro hac vice. Receipt # 316691. (LS,) (Entered: 07/12/2004)
07/06/2004	16	APPLICATION by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC AND ORDER admitting Leonard D Steinman for CTI Group (Holdings) Inc and Centillion Data Systems LLC pro hac vice. Receipt # 316691. (LS,) (Entered: 07/12/2004)
07/07/2004	12	MOTION to Dismiss or Transfer by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC. Noting Date 7/30/2004. (Attachments: # 1 Exhibit 1# 2 Exhibit 2# 3 Exhibit 3# 4 Exhibit 4# 5 Exhibit 5# 6 Exhibit 6# 7 Exhibit 7# 8 Exhibit 8# 9 Exhibit 9# 10 Exhibit 10# 11 Exhibit 11# 12 Exhibit 12# 13 Exhibit 13# 14 Proposed Order)(Bodine, Brian) (Entered: 07/07/2004)
07/07/2004	13	DECLARATION of John Cauffman filed by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC re 12 MOTION to Dismiss or Transfer (Attachments: # 1 Declaration of John Cauffman)(Bodine, Brian) (Entered: 07/07/2004)
07/07/2004	14	CERTIFICATE OF SERVICE by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC, CTI Group (Holdings) Inc, Centillion Data Systems LLC re 12 MOTION to Dismiss or Transfer, 13 Declaration of John Cauffman (Bodine, Brian) (Entered: 07/07/2004)
07/13/2004	17	First AMENDED COMPLAINT for Declaratory Judgment of Noninfringement and Invalidity of U.S. Patent No. 5,287,270 against defendant all defendants, filed by Qwest Communications Corporation, Qwest Corporation. (Attachments: # 1 Exhibit 1 (9-23)# 2 Exhibit 1 (24-38)# 3 Exhibit 1 (39-53)# 4 Exhibit 1 (54-68)# 5 Exhibit 1 (69-73)# 6 Exhibit 1 (74-78)# 7 Exhibit 1 (79-81)# 8 Exhibit 2# 9 Exhibit 3# 10 Exhibit 4# 11 Exhibit 5)(Tan, Stephen) (Entered: 07/13/2004)
07/23/2004	18	RESPONSE, by Plaintiffs Qwest Communications Corporation, Qwest Corporation, to 12 MOTION to Dismiss or Transfer (Attachments: # 1 Exhibit 1 (12-31)# 2 Exhibit 1 (32-51)# 3 Exhibit 1 (52-71)# 4 Exhibit 1 (72-93)# 5 Exhibit 2 (94-97)# 6 Exhibit 3 (98-103)# 7 Exhibit 4 (104-113)# 8 Exhibit 5 (114-121)# 9 Exhibit 6 (122-128)# 10 Exhibit 7 (129-132)# 11 Exhibit 8 (133-139)# 12 Exhibit 9 (140-149)# 13 Exhibit 10 (150-152))(Tan, Stephen) (Entered: 07/23/2004)
07/26/2004	19	WITHDRAWAL of Motion by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC re 12 MOTION to Dismiss or Transfer filed by Centillion Data Systems LLC, CTI Group (Holdings) Inc (Bodine, Brian) (Entered: 07/26/2004)
07/27/2004	20	MOTION to Dismiss or in the Alternative to Transfer by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC. Noting Date 8/20/2004. (Attachments: # 1 Exhibit A# 2 Exhibit B# 3 Exhibit C# 4 Exhibit D, E, and F# 5 Exhibit G# 6 Exhibit H# 7 Exhibit I# 8 Exhibit J# 9 Exhibit K and L# 10 Exhibit M# 11 Exhibit N# 12 Exhibit O# 13 Exhibit P# 14 Exhibit Q# 15 Proposed Order # 16 Certificate of Service)(Ballo, Jill) (Entered: 07/27/2004)
08/13/2004	21	RESPONSE, by Plaintiffs Qwest Communications Corporation, Qwest Corporation, to 20 MOTION to Dismiss or in the Alternative to Transfer (Attachments: # 1 Exhibit 1 (13-32)# 2 Exhibit 1 (33-52)# 3 Exhibit 1 (53-72)# 4 Exhibit 1 (73-94)# 5 Exhibit 2 (95-98)# 6 Exhibit 3 (99-104)# 7 Exhibit 4 (105-114)# 8 Exhibit 5 (115-122)# 9 Exhibit 6 (123-129)# 10 Exhibit 7 (130-133)# 11 Exhibit 8 (134-140)# 12 Exhibit 9 (141-150)# 13 Exhibit 10 (151-153))(Tan, Stephen) (Entered: 08/13/2004)
08/19/2004	22	REPLY, filed by Defendants CTI Group (Holdings) Inc, Centillion Data Systems LLC, TO RESPONSE to 20 MOTION to Dismiss or in the Alternative to Transfer (Attachments: # 1 Certificate of Service)(Bodine, Brian) Text Modified on 8/20/2004 (LS,). (Entered: 08/19/2004)
10/12/2004	23	MINUTES OF STATUS CONFERENCE. JCC; Dep Clerk: JM; CR: Joe Roth; Counsel: Tan/Behusko/Bodine; Called, counsel advises the Court of status. Court directs counsel to be guided by Local Civil Rule 16 in completing discovery and filing dispositive motions. Note that all depositions, discovery and perpetuation, must be completed before the discovery completion date,

		<p>Jury instructions, if any, are to be filed with the Clerk and shall include an original version and two copies thereof, each numbered sequentially and with citations, and one copy on plain white paper without numbering or citations. Counsel are advised that the Court will rely primarily upon the Manual of Model Jury Instructions for the Ninth Circuit in preparation of final instructions for submission to the jury.</p> <p>Counsel are advised that this case is one of several cases set for the week described below. Counsel must be prepared to commence trial as scheduled, but it must be understood that the trial may have to be continued. The Clerk should be contacted as the trial date approaches for further information regarding the calendar.</p> <p>Pretrial and trial schedule are set as follows: Jury Trial set for 10/3/2005 09:30 AM before John C Coughenour. Pretrial Order due by 9/23/2005; Pleading amendment/3rd pty action due by 12/17/2004; 39.1 mediation to be completed by 8/19/2005; Trial briefs to be submitted by 9/29/2005; Voir dire/jury instructions due by 9/29/2005; (JM,) (Entered: 10/12/2004)</p>
11/12/2004	<u>24</u>	ORDER Granting Defendant's Motion <u>20</u> to Transfer Case to Southern District of Indiana and Denying MOTION to Dismiss by Judge John C Coughenour. (LMS,) (Entered: 11/15/2004)
11/19/2004	<u>25</u>	ANSWER to Amended Complaint with Jury Demand and Counterclaim, by Centillion Data Systems LLC.(Mar, Andrew) Modified text on 12/9/2004 (AF,). (Entered: 11/19/2004)
12/09/2004	<u>26</u>	ANSWER to Complaint Counterclaim by Qwest Corporation, Qwest Communications Corporation, re <u>25</u> ANSWER to Amended Complaint with Jury Demand and Counterclaim.(Tan, Stephen) Modified text on 12/9/2004 (AF,). (Entered: 12/09/2004)

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WESTERN DISTRICT OF WASHINGTON
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04-CV-01088-CMP

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UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF WASHINGTON
AT SEATTLE

QWEST CORPORATION,

Plaintiff,

v.

CENTILLION DATA SYSTEMS, L.L.C. and
CTI GROUP (HOLDINGS) INC.,

Defendants.

04-1088C

COMPLAINT FOR
DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND
INVALIDITY OF U.S. PATENT NO.
5,287,270

JURY DEMAND

Plaintiff QWEST CORPORATION ("Qwest"), by and through its attorneys, hereby alleges, upon personal knowledge with respect to itself and its own acts, and upon information and belief with respect to all other matters, the following claims for declaratory relief against Defendants CTI GROUP (HOLDINGS), INC. and CENTILLION DATA SYSTEMS, LLC. ("Defendants"):

1. This is an action for a declaratory judgment of patent noninfringement and invalidity for the purpose of resolving a question of actual controversy between the parties, as alleged herein.

JURISDICTION

2. This Court has jurisdiction over these claims for declaratory relief arising under the patent laws of the United States, 35 U.S.C. §§ 1 et seq., pursuant to 28 U.S.C.

§ 1338(a) and the Federal Declaratory Judgment Act, 28 U.S.C. §§ 2201 and 2202. Upon

COMPLAINT FOR DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT
NO. 5,287,270 - PAGE 1

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SEATTLE, WASHINGTON 98101
(206) 292-6300

1 information and belief, Defendants conduct business in and have substantial contact with the
2 State of Washington such that requiring Defendants to respond to this action will not violate
3 due process. Upon information and belief, Defendants are subject to the personal jurisdiction
4 of this Court and are amenable to service of process pursuant to the Washington long-arm
5 statute and Fed. R. Civ. P. 4(e).

6 3. Venue is proper pursuant to 28 U.S.C. §§ 1391. Plaintiff has engaged in
7 activity in this judicial district alleged to infringe the Patent in Suit, which is purportedly
8 owned by the Defendants. In particular, Plaintiff has offered to sell allegedly infringing
9 services and/or products to many customers located in this district.

10 4. There is an actual controversy between the parties with regard to the non-
11 infringement of United States Patent No. 5,287,270 (the "270 patent"). A reasonable
12 apprehension of a suit for infringement of the '270 patent has been created by the Defendants
13 or those acting by or for the Defendants with respect to the ability of Qwest to make, use, sell,
14 and/or offer to sell at least some of its products and services.

15 **PARTIES**

16 5. Plaintiff Qwest Corporation is a corporation organized and existing under the
17 laws of Colorado, having its principal place of business at 1801 California, Denver, Colorado
18 80202.

19 6. Upon information and belief, Centillion Data Systems, LLC, ("CDS") is a
20 Delaware corporation, having its principal place of business at 333 North Alabama Street,
21 Indianapolis, Indiana 46204. Upon information and belief, CDS does business in this district.

22 7. Upon information and belief, CTI Group (Holdings), Inc., ("CTIG") is a
23 Delaware corporation having its principal place of business at 333 North Alabama Street,
24 Indianapolis, Indiana 46204. Upon information and belief, CTIG does business in this
25 district.

26 8. Upon information and belief, CTIG and CDS are providers of billing and
27 customer management software and services to the communications and utility markets.

28 COMPLAINT FOR DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT
NO. 5,287,270 - PAGE 2

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EVENTS GIVING RISE TO THIS SUIT

9. Upon information and belief, Defendant CDS is the assignee of the '270 patent, entitled "Billing System," issued February 15, 1994. The '270 patent on its face indicates it was assigned to Compucom Communications Corp. Upon information and belief, the '270 patent was subsequently assigned to Centillion Data Systems, Inc., and then assigned to CDS. A true and correct copy of the '270 patent is attached as Exhibit 1.

10. Upon information and belief, CTIG is the parent company of CDS and owns ten percent (10%) or more of its membership interest. Threats of suit against Qwest regarding the '270 patent have been made by and on behalf of CTIG.

11. On September 13, 2002, CTIG, through its counsel, sent a letter to Qwest Communications International, Inc. indicating that through its subsidiaries it has obtained certain patents including the '270 patent. A true and correct copy of this letter is attached hereto as Exhibit 2.

12. In its September 13, 2002 letter, CTIG asserted that it "has successfully litigated, negotiated and licensed the usage of this patented process to corporate entities such as AT&T, Ameritech, and SBC, among many other major settlements that have been confidentially reached after the initiation of litigation."

13. CTIG added, in its September 13, 2002 letter, "After initial investigation into Qwest's product/service suite, and based upon that research, we anticipate that a similar arrangement between CTIG and Qwest Communications is appropriate for both parties."

14. Qwest's counsel responded on September 30, 2002, indicating that the September 13, 2002 letter was referred to counsel for Qwest for reply and that Qwest would investigate CTIG's claims. A true and correct copy of this letter is attached hereto as Exhibit 3.

15. On February 25, 2003, CTIG's counsel sent Qwest's counsel a letter wherein CTIG admitted that Qwest's Logic, BillMate, and Integrated Access Billing Systems Services

1 applications do not literally infringe the '270 patent. A true and correct copy of this letter is
2 attached hereto as Exhibit 4.

3 16. On November 20, 2003, Qwest's counsel sent CTIG's counsel a letter
4 explaining that Qwest's products did not infringe any claims in CTIG's patent. A true and
5 correct copy of this letter is attached hereto as Exhibit 5.

6 17. On February 25, 2004, Centillion filed a First Amended Complaint in the U.S.
7 District Court for the Southern District of Indiana charging "Qwest" and other named
8 defendants with infringement of the '270 patent. Centillion Data Systems, LLC v. BellSouth
9 Corporation, et al., Case No. 1:04-CV-0073 LJM-WTL.

10 18. Based on the foregoing, there is an actual, substantial and continuing
11 justiciable controversy between Plaintiff Qwest and Defendants as to Defendants' allegations
12 that Qwest's products and services infringe the claims of the '270 patent.

13 19. Plaintiff Qwest therefore seeks a judicial determination and a declaration of the
14 respective rights and duties of Qwest and Defendants with regard to the '270 patent and the
15 Qwest products and services. Such a determination and declaration is necessary and
16 appropriate at this time so that the parties may ascertain their respective rights and duties.

17 **COUNT I**

18 **Declaratory Judgment of Non-Infringement of U.S. Patent No. 5,287,270**

19 20. Plaintiff incorporates by reference, as though fully set forth, the allegations
20 contained in paragraphs 1 through 19 of this Complaint.

21 21. Plaintiff has not directly infringed, contributed to the infringement of, or
22 induced others to infringe, any claim of the '270 patent either literally or under the doctrine of
23 equivalents.

24 22. On information and belief, Defendants are estopped from asserting a scope for
25 the claims of the '270 patent sufficient to cover Qwest products and services because of
26 statements made on behalf of the applicant during the prosecution of the '270 patent before
27 the United States Patent and Trademark Office.

28 COMPLAINT FOR DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT
NO. 5,287,270 - PAGE 4

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1 23. Plaintiff has not willfully infringed any claim of the '270 patent.

2
3 **COUNT II**

4 **Declaratory Judgment of Invalidity of U.S. Patent No. 5,287,270**

5 24. Plaintiff incorporates by reference, as though fully set forth, the allegations
6 contained in paragraphs 1 through 23 of this Complaint.

7 25. The '270 patent is invalid and unenforceable because, inter alia, the '270 patent
8 was not obtained in a manner consistent with and required by the provisions of Title 35 of the
9 United States Code, and in particular because it fails to comply with at least the required
10 condition for patentability under 35 U.S.C. § 103 for non-obviousness in view of the prior art.

11 **DEMAND FOR JURY TRIAL**

12 Pursuant to Fed. R. Civ. P. 38, Plaintiff Qwest Corporation hereby demands a trial by
13 jury of all issues so triable.

14 **PRAYER FOR RELIEF**

15 WHEREFORE, Qwest prays for judgment against Defendants as follows:

16 A. A declaratory judgment that Plaintiff does not infringe, contribute to the
17 infringement of, or induce the infringement of, or willfully infringe, any claim of United
18 States Patent No. 5,287,270;

19 B. A declaratory judgment that each of the claims of United States Patent
20 No. 5,287,270 are invalid and unenforceable;

21 C. That Defendant, its subsidiaries, affiliates, parent, successors, assigns, officers,
22 agents, servants, employees, attorneys, and all persons acting in concert or in participation
23 with them, or any of them, be enjoined from asserting any claim of United States Patent
24 No. 5,287,270 against Plaintiff.

25 D. That this case be deemed exceptional and that Plaintiff be awarded its
26 reasonable attorneys' fees pursuant to 35 U.S.C. § 285;

27 E. That Plaintiff be awarded its costs of suit; and

28 COMPLAINT FOR DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT
NO. 5,287,270 – PAGE 5


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1 F. That Plaintiff be awarded such other and further relief as the Court deems just
2 and proper.

3 Dated this 11th day of May, 2004.

4 QWEST CORPORATION

5 By its Attorneys,

6 
Vincent J. Befusko (Pro Hac Vice Pending)

7 Hector G. Gallegos (Pro Hac Vice Pending)

8 J. Manana Bishop (Pro Hac Vice Pending)

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28 COMPLAINT FOR DECLARATORY JUDGMENT OF
NONINFRINGEMENT AND INVALIDITY OF U.S. PATENT
NO. 5,287,270 - PAGE 6

BROWN REAVIS & MANNING PLLC
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UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION

CENTILLION DATA SYSTEMS, LLC,)	
Plaintiff,)	
)	
vs.)	1:04-cv-00073-LJM-WTL
)	
CONVERGYS CORPORATION, QWEST)	
COMMUNICATIONS INTERNATIONAL,)	
INC., and QWEST CORPORATION,)	
Defendants,)	
)	
-----)	
QWEST CORPORATION and QWEST)	
COMMUNICATIONS CORPORATION,)	
Plaintiffs,)	
)	
vs.)	1:04-cv-02076-JDT-TAB
)	
CENTILLION DATA SYSTEMS, LLC and)	
CTI GROUP (HOLDINGS), INC.,)	
Defendants.)	

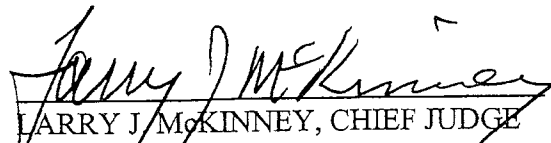
ORDER ON MOTION TO CONSOLIDATE

On December 21, 2004, the United States District Court for the Western District of Washington transferred the declaratory judgment action styled *Qwest Corporation v. Centillion Data Systems, LLC*, Case No. C04-1088C, to this Court, in which it was given the cause number 1:04-cv-02076-JDT-TAB. On January 21, 2005, plaintiff in the case entitled *Centillion Data Systems, LLC v. Convergys Corporation*, 1:04-cv-00073-LJM-WTL, filed a motion to consolidate the two actions. Centillion contends that the two actions involve common issues of law and fact, and that consolidation would promote judicial efficiency. Qwest does not contest that consolidation is proper, however, still contends that this Court does not have personal jurisdiction over it.

The consolidation not being contested, the Court hereby **GRANTS** Centillion's motion to consolidate and further orders the following:

1. The Clerk of the Court shall consolidate the cause captioned *Qwest Corporation v. Centillion Data Systems, LLC*, 1:04-cv-02076-JDT-TAB, with the cause captioned *Centillion Data Systems, LLC*, 1:04-cv-00073-LJM-WTL, under the 1:04-cv-00073-LJM-WTL cause number.
2. Qwest's Motion to Dismiss for Lack of Personal Jurisdiction filed July 7, 2004, is **DENIED** as moot in light of the current consolidation. However, Qwest shall have thirty days from the date of this Order to renew its motion.
3. All Case Management Plan deadlines are hereby **VACATED**. The parties shall confer with Magistrate Judge William T. Lawrence to establish deadlines for filing a new case management plan. The status conference between Convergys Corporation and Centillion Data Systems, LLC, remains set for February 24, 2005.

IT IS SO ORDERED this 14th day of February, 2005.


LARRY J. MCKINNEY, CHIEF JUDGE
United States District Court
Southern District of Indiana

Distribution attached.

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UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION

CENTILLION DATA SYSTEMS, LLC,
Plaintiff,

vs.

CONVERGYS CORPORATION, QWEST
COMMUNICATIONS INTERNATIONAL,
INC., and QWEST CORPORATION,
Defendants,

QWEST CORPORATION and QWEST
COMMUNICATIONS CORPORATION,
Plaintiffs,

vs.

CENTILLION DATA SYSTEMS, LLC, and
CTI GROUP (HOLDINGS), INC.,
Defendants.

1:04-cv-00073-LJM-WTL

ORDER ON CLAIM CONSTRUCTION

The parties in this cause, plaintiff, Centillion Data Systems, LLC (“Centillion”), and defendants, Convergys Corporation, Qwest Communications International and Qwest Corporation (the later two defendants, collectively, “Qwest”) (all defendants collectively, “Defendants”), pursuant to the Court’s orders, have briefed the claim terms to be construed in the patent-in-suit, U.S. Patent No. 5,287,270, Feb. 15, 1994 (the “270 patent”). Guided by the Supreme Court’s opinion in *Markman v. Westview Inst., Inc.*, 517 U.S. 370, 388-90 (1996) (“*Markman I*”), and by the Federal Circuit’s opinions in *Markman v. Westview Inst., Inc.*, 52 F.3d 967 (Fed. Cir. 1995) (“*Markman F*”), and *Phillips v. AWH Corp.*, 415 F.3d 1303 (Fed. Cir. 2005), to the extent practicable the claim construction rendered herein will not be a “tentative one” subject to change upon receipt of

additional information and evidence, but a definitive one based on all of the evidence of record at this point in the litigation. *See Int'l Comm. Mat'ls, Inc. v. Ricoh Co., Ltd.*, 108 F.3d 316, 318-19 (Fed. Cir. 1997) (noting that district court performed a "tentative construction" of the claim language to facilitate a decision of the preliminary injunction issue).

I. BACKGROUND

The '270 patent is directed to billing systems that may be utilized by a service customer to manipulate usage and cost information from a service provider, such as a telecommunications company or credit card company. '270 Patent, col. 1, l. 15-20. According to the '270 patent, increased communication between companies and their clients have increased the need for companies to analyze the costs associated with this communication in an effort to minimize those costs and to allocate them properly. *Id.* col. 1, l. 35, to col. 2, l. 7. Prior to the system described by the '270 patented invention, methods used to manipulate telecommunications data, in particular, were hampered by paper billing itemized by a call-originating station. *Id.* col. 2, ll. 8-17. Former processing methods included non-automated methods of hand sorting data; semi-automated methods of manual key-punching or scanning of the paper bill into a computer a system; or automated methods based on machine-readable tapes from the service provider that contained limited information, or customer-based recording equipment for providing estimated costs. *Id.* col. 2, ll. 18-57. But, all of these data collection methods had problems. *Id.*

According to the '270 patent, these problems created the need "for a system which provides to large-volume telecommunications customers the ability to conveniently and affordably analyze and manipulate call-detail and other telecommunications transaction information by computer, and

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF INDIANA
INDIANAPOLIS DIVISION

CENTILLION DATA SYSTEMS, LLC,
Plaintiff,

vs.

CONVERGYS CORPORATION, QWEST
COMMUNICATIONS INTERNATIONAL,
INC., and QWEST CORPORATION,
Defendants,

QWEST CORPORATION and QWEST
COMMUNICATIONS CORPORATION,
Plaintiffs,

vs.

CENTILLION DATA SYSTEMS, LLC, and
CTI GROUP (HOLDINGS), INC.,
Defendants.

1:04-cv-00073-LJM-WTL

ORDER ON CLAIM CONSTRUCTION

The parties in this cause, plaintiff, Centillion Data Systems, LLC (“Centillion”), and defendants, Convergys Corporation, Qwest Communications International and Qwest Corporation (the later two defendants, collectively, “Qwest”) (all defendants collectively, “Defendants”), pursuant to the Court’s orders, have briefed the claim terms to be construed in the patent-in-suit, U.S. Patent No. 5,287,270, Feb. 15, 1994 (the “270 patent”). Guided by the Supreme Court’s opinion in *Markman v. Westview Inst., Inc.*, 517 U.S. 370, 388-90 (1996) (“*Markman IP*”), and by the Federal Circuit’s opinions in *Markman v. Westview Inst., Inc.*, 52 F.3d 967 (Fed. Cir. 1995) (“*Markman I*”), and *Phillips v. AWH Corp.*, 415 F.3d 1303 (Fed. Cir. 2005), to the extent practicable the claim construction rendered herein will not be a “tentative one” subject to change upon receipt of

additional information and evidence, but a definitive one based on all of the evidence of record at this point in the litigation. *See Int'l Comm. Mat'ls, Inc. v. Ricoh Co., Ltd.*, 108 F.3d 316, 318-19 (Fed. Cir. 1997) (noting that district court performed a "tentative construction" of the claim language to facilitate a decision of the preliminary injunction issue).

I. BACKGROUND

The '270 patent is directed to billing systems that may be utilized by a service customer to manipulate usage and cost information from a service provider, such as a telecommunications company or credit card company. '270 Patent, col. 1, l. 15-20. According to the '270 patent, increased communication between companies and their clients have increased the need for companies to analyze the costs associated with this communication in an effort to minimize those costs and to allocate them properly. *Id.* col. 1, l. 35, to col. 2, l. 7. Prior to the system described by the '270 patented invention, methods used to manipulate telecommunications data, in particular, were hampered by paper billing itemized by a call-originating station. *Id.* col. 2, ll. 8-17. Former processing methods included non-automated methods of hand sorting data; semi-automated methods of manual key-punching or scanning of the paper bill into a computer a system; or automated methods based on machine-readable tapes from the service provider that contained limited information, or customer-based recording equipment for providing estimated costs. *Id.* col. 2, ll. 18-57. But, all of these data collection methods had problems. *Id.*

According to the '270 patent, these problems created the need "for a system which provides to large-volume telecommunications customers the ability to conveniently and affordably analyze and manipulate call-detail and other telecommunications transaction information by computer, and

which provides results which exactly correspond with the information printed on the customer's paper bill." *Id.* col. 2, ll. 58-64.

The '270 patented invention purports to solve this problem through a system that combines "standard processing hardware and specially designed software for distributing to . . . service customers . . . bills . . . on diskettes compatible with commonly available small and inexpensive personal computers for customer-directed display and in-depth analysis." *Id.* col. 2, l. 67, to col. 3,

1. 6. The invention includes two major aspects:

One aspect of the invention includes an application software package, capable of running on a small computer (such as an IBM Personal Computer or compatible computer), which under the direction of the user can:

1. display the telephone bill (or selected subsets thereof) in its ordinary (paper-like) format;
2. display the bill (or selected subset thereof) sorted in non-conventional order (e.g. call detail records sorted by length of call);
3. display a variety of preprocessed summary reports and graphs useful in analyzing telecommunications costs; and
4. display non-preprocessed reports according to user-formulated ad-hoc queries.

* * *

Another aspect of the invention involves the use of appropriate method steps and apparatus and control software for obtaining appropriate billing information from carriers and physically rearranging this information in such a manner that it is optimally pre-processed and reformatted into a form appropriate for efficient and rapid use in subscribers' personal computers, and writing the information in this format on compatible diskettes containing [sic] for distribution to subscribers.

These functions may be performed by a third party processor engaged in the business of providing such services to service providers and their subscribers, or by the provider itself or perhaps even by a large corporate subscriber.

Id. col. 3, l. 34, to col. 4, l. 2.

Further details of the '270 patented invention will be discussed in the remainder of this Order as necessary.

The '270 patent has eighty-five claims. To simplify matters for the Court and the parties, the Court limited Centillion to asserting five claims against Defendants. Centillion chose to assert claims 1, 8, 10, 46, and 47, against all Defendants. In addition, the Court limited the parties to ten disputed claim terms; however, upon agreed motion by the parties, the Court allowed them to contest thirteen terms, fifteen if the Court includes two nuances urged by Defendants.

Most of the disputed terms are contained in independent claim 1 of the '270 patent. Claim 1 reads:

1. A system for presenting information concerning the *actual cost* of a service provided to a user by a service provider, said system comprising:

storage means for storing *individual transaction records* prepared by said service provider, said transaction records relating to individual service transactions for one or more service customers including said user, and the *exact charges actually billed* to said user by said service provider for each said service transaction;

data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;

means for transferring at least a part of said individual transaction records from said storage means to said data processing means;

said data processing means *generating preprocessed summary reports as specified by the user* from said individual transaction records transferred from said storage means and *organizing said summary reports into a format for storage, and manipulation and display on a personal computer data processing means;*

means for transferring said individual transaction records including said summary reports *from said data processing means to said personal computer data processing means*; and

said personal computer data processing means being adapted to perform additional processing on said individual transaction records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said selected records including said exact charges actually billed to said user.

'270 Patent, col. 31, l. 39, to col. 32, l. 6 (emphasis added). As the italicized text above indicates, the disputed terms in claim 1 include "actual cost," "storage means," "individual transaction records," "exact charges actually billed," "data processing means comprising respective computation hardware means and respective software programming means," "means for transferring . . . from said storage means to said data processing means," "generating preprocessed summary reports," "summary report," "as specified by the user," "organizing said summary reports into a format for storage, manipulation, and display on a personal computer," "means for transferring . . . from said processing means to said personal computer data processing means," and "said personal computer data processing means being adapted to perform additional processing."

The remaining claim term is contained in independent claim 8 and dependent claim 10.

Those claims read:

8. A system for presenting, under control of a user, usage and actual cost information relating to *telecommunications* service provided to said user by a telecommunications service provider, said system comprising:

telecommunications service provider storage means for storing records prepared by a telecommunications service provider related to *telecommunications usage* for one or more telecommunications subscribers including said user, and the exact charges actually billed to said user by said service provider for said usage;

data processing means comprising respective computation hardware means and respective software programming means for directing the activities of said computation hardware means;

means for transferring at least a part of the records from said service provider storage means to said data processing means;

said data processing means generating preprocessed summary reports as specified by the user from said telecommunications usage records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means;

means for transferring said telecommunications usage records including said summary reports from said data processing means to said personal computer data processing means; and

said personal computer data processing means being adapted to perform additional processing on said telecommunications records which have been at least in part preprocessed by said data processing means utilizing said summary reports for expedited retrieval of data, to present a subset of said telecommunications usage records including said exact charges billed to said user.

* * *

10. A system as in claim 8 wherein said selected records relating to telecommunications usage and cost comprise at least one *telecommunications call detail record* corresponding to a unique telecommunications call to be billed to said subscriber, said call having a length determined by said telecommunications carrier.

Id. col. 32, l. 30, to col. 33, l. 10. As indicated in by the italicized text above, the additional disputed term in those claims is “telecommunications.” Defendants particularly are concerned with the way the term telecommunications modifies “usage” and “call detail record;” those terms are also italicized above.

Independent claim 47 and dependent claim 48, also asserted by Centillion against Defendants, read as follows:

47. A method for presenting information on a personal computer data processing means concerning the *actual cost* of a service provided to a user by a service provider, said method comprising:

storing *individual transaction records* prepared by said service provider on a *storage means*, said transaction records relating to individual service transactions for at least one service customer including said user, and the *exact charges actually billed* to said user by said service provider for each said service transaction;

transferring at least a part of said transaction records from said *storage means* to a *data processing means*;

generating preprocessed summary reports as specified by the user from said *individual transaction records* transferred from said *storage means* and *organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means*;

transferring said preprocessed *individual transaction records* including said summary reports from said *data processing means* utilizing said *summary reports* for expedited retrieval of data;

performing additional process of said *individual transaction records* on said at least one personal computer *data processing means* utilizing said *summary reports* for expedited retrieval of data;

presenting a subset of said *individual transaction records* chosen via said at least one personal computer processing means including said *exact charges actually billed* to said user; and

said *data processing means* and said at least one personal computer processing means comprising respective computation hardware means and respective software programming means arranged for directing the activities of said computation hardware means.

48. A method as in claim 47 wherein said records prepared by said service provider comprise for each said service customer all information concerning *telecommunications* services provided to said service customer and the applicable billing rates required for said service provider to produce an ordinary *telecommunications* bill for that service customer.

Id. col. 36, ll. 8-45.

II. CLAIM CONSTRUCTION STANDARDS

When construing the '270 patent's claims, the Court must determine the meaning of the language used before it can ascertain the scope of the claims Centillion asserts are infringed. *See Markman I*, 52 F.3d at 979. In doing so, the Court's interpretive focus is not the subjective intent of the parties employing a certain term, but the objective test of what one of ordinary skill in the art at the time of the invention would have understood the term to mean. *See Phillips*, 415 F.3d at 1313; *Innova/Pure Water v. Safari Water Filtration*, 381 F.3d 1111, 1116 (Fed. Cir. 2004). When the Court undertakes its duty to construe the claims, it first must look to the intrinsic evidence: the asserted and unasserted claims, the specification, and the prosecution history. *See Phillips*, 415 F.3d at 1314; *Ecolab, Inc. v. Envirochem, Inc.*, 264 F.3d 1358, 1366 (Fed. Cir. 2001); *Vitronics Corp. v. Conceptronic, Inc.*, 90 F.3d 1576, 1581 (Fed. Cir. 1996); *Markman I*, 52 F.3d at 979. Most of the time, such evidence will provide sufficient information for construing the claims. *See Vitronics*, 90 F.3d at 1583.

The patent claims should “particularly point out and distinctly clai[m] the subject matter which the applicant regards as his invention.” *Markman II*, 517 U.S. at 373 (citing 35 U.S.C. § 112). During claim construction, the appropriate starting point for the Court's inquiry is always the words of both the asserted and unasserted claims. *See Phillips*, 415 F.3d at 1314; *Elkay Mfg. Co. v. Ebco Mfg. Co.*, 192 F.3d 973, 977 (Fed. Cir. 1999); *see also Renishaw PLC v. Marposs Societa' Per Azioni*, 158 F.3d 1243, 1248 (Fed. Cir. 1998). As the Federal Circuit has noted, “[c]ommon words, unless the context suggest otherwise, should be interpreted according to their ordinary meaning.” *Desper Prods.*, 157 F.3d at 1336 (citing *York Prods., Inc. v. Central Tractor Farm & Family Ctr.*, 99 F.3d 1568, 1572 (Fed. Cir. 1996)). *See also Phillips*, 415 F.3d at 1314 (citing *Brown*

v. 3M, 265 F.3d 1349, 1352 (Fed. Cir. 2001)). Further, when there are several common meanings for a term, “the patent disclosure serves to point away from the improper meanings and toward the proper meaning.” *Renishaw*, 158 F.3d at 1250. *Accord Phillips*, 415 F.3d at 1315-17 (discussing the role of the specification in claim construction).

The correct claim construction is also the one that “stays true to the claim language and most naturally aligns with the patent’s description of the invention.” *Renishaw*, 158 F.3d at 1250. *See also Phillips*, 415 F.3d at 1316. That description, or specification, serves an important purpose. In it, the patentee must provide a written description of the invention that would allow a person of ordinary skill in the art to make and use the invention. *See Phillips*, 415 F.3d at 1313-14; *Markman I*, 52 F.3d at 979. The applicable statute requires that “[t]he specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains . . . to make and use the same” 35 U.S.C. § 112, ¶ 1. *See also Phillips*, 415 F.3d at 1312, 1315; *Johnson Worldwide Assocs.*, 175 F.3d at 993. Therefore, to discover the correct meaning of a disputed claim term, the Court must refer to the specification’s description of the invention.

In addition, a patentee may be his or her own lexicographer and use terms in a manner different from their ordinary meaning. *See Phillips*, 415 F.3d at 1316; *Johnson Worldwide Assocs.*, 175 F.3d at 990; *Vitronics*, 90 F.3d at 1582. If the patentee chooses to do that, he or she must clearly state the special definition in the specification or file history of the patent. *See Phillips*, 415 F.3d at 1316 (citing *CCS Fitness, Inc. v. Brunswick Corp.*, 288 F.3d 1359, 1366 (Fed. Cir. 2002)). The specification then serves as a dictionary when it defines terms, either expressly or by implication, that are used in the claims.

Although claims must be read in light of the specification, limitations from the specification may not be read into the claims.¹ See *Phillips*, 415 F.3d at 1323; *Comark*, 156 F.3d at 1186. In particular, the Court should not limit the invention to the specific examples or preferred embodiment found in the specification. See *Phillips*, 415 F.3d at 1323; *Texas Instruments, Inc. v. United States Int'l Trade Comm'n*, 805 F.2d 1558, 1563 (Fed. Cir. 1986). Therefore, the “repetition in the written description of a preferred aspect of a claim invention does not limit the scope of an invention that is described in the claims in different and broader terms.” *Laitram Corp. v. NEC Corp.*, 163 F.3d 1342, 1348 (Fed. Cir. 1998). See also *Phillips*, 415 F.3d at 1323 (describing how to distinguish between a best mode disclosure and a limitation disclosure in a specification).

Interpreting the meaning of a claim term “is not to be confused with adding an extraneous limitation appearing in the specification, which is improper.” *Laitram*, 163 F.3d at 1348 (quoting *Intervet Am., Inc. v. Kee-Vet Lab., Inc.*, 887 F.2d 1050, 1053 (Fed. Cir. 1989) (further citation omitted by *Intervet* court)). See also *Innova/Pure Water*, 381 F.3d at 1117. An extraneous limitation is a limitation added “wholly apart from any need to interpret what the patentee meant by particular words and phrases in the claim.” *Hoganas AB v. Dresser Indus., Inc.*, 9 F.3d 948, 950 (Fed. Cir. 1993). See also *Phillips*, 415 F.3d at 1323; *Renishaw*, 158 F.3d at 1249. Although there is a fine line between reading a claim in light of the specification and reading a limitation from the specification into the claim, the Court must look cautiously to the specification for assistance in defining unclear terms. See *Phillips*, 415 F.3d at 1323-24; *Innova/Pure Water*, 381 F.3d at 1117.

¹An exception to this rule applies when the claim is written in a means- or step-plus-function format under 35 U.S.C. § 112, ¶ 6. The rules of claim construction relative to those types of claims are discussed later herein.

The third source of intrinsic evidence is the '270 patent's prosecution history. *See Phillips*, 415 F.3d at 1317; *Desper Prods.*, 156 F.3d at 1336-37; *Vitronics*, 90 F.3d at 1582. In a patent's prosecution history the Court will find a complete record of the proceedings before the PTO leading to issuance of the patent. *See Vitronics*, 90 F.3d at 1582. The prosecution history contains both express representations made by the patentee concerning the scope of the patent, as well as interpretations of claim terms that were disclaimed during the prosecution. *See id.* at 1582-83; *see also Phillips*, 415 F.3d at 1317; *Ecolab*, 264 F.3d at 1368. Although the prosecution history is useful for understanding claim language, it "cannot enlarge, diminish, or vary the limitations in the claims." *Markman I*, 52 F.3d at 979 (quotations omitted).

In some cases, it may be necessary for the Court to consult extrinsic evidence to aid it in construing the claim language. *See Phillips*, 415 F.3d at 1317; *Vitronics*, 90 F.3d at 1584. Extrinsic evidence is any evidence outside of the patent and prosecution history, "including expert and inventor testimony, dictionaries, and learned treatises." *Markman I*, 52 F.3d at 980. *See also Phillips*, 415 F.3d at 1317. It may be used to assist the Court's understanding of the patent, or the field of technology. *See Markman I*, 52 F.3d at 980-81. However, "courts [should] not *rely* on extrinsic evidence in claim construction to contradict the meaning of claims discernible from thoughtful examination of the claims, the written description, and the prosecution history—the intrinsic evidence." *Pitney Bowes, Inc. v. Hewlett-Packard Co.*, 182 F.3d 1298, 1308 (Fed. Cir. 1999) (emphasis in original) (citing *Vitronics*, 90 F.3d at 1583). Judges are not usually "conversant in the particular technical art involved," or capable of reading the patent specification and claims as one skilled in the art might. *See Markman I*, 52 F.3d at 986; *see also Pitney Bowes*, 182 F.3d at 1308-09. Therefore, "consultation of extrinsic evidence is particularly appropriate to ensure that [the

Court's] understanding of the technical aspects of the patent is not entirely at variance with the understanding of one skilled in the art." *Pitney Bowes*, 182 F.3d at 1309. *See also Phillips*, 415 F.3d at 1318. When the Court relies on extrinsic evidence to assist with claim construction, and the claim is susceptible to both a broader and a narrower meaning, the narrower meaning should be chosen if it is the only one clearly supported by the intrinsic evidence. *See Digital Biometrics v. Identix*, 149 F.3d 1335, 1344 (Fed. Cir. 1998); *see also Phillips*, 415 F.3d at 1317-19 (discussing the proper use of extrinsic evidence). It is entirely proper for the Court to accept and admit extrinsic evidence, such as an expert's testimony, to educate itself, but then base its construction solely on the intrinsic evidence. *See Mantech Env't'l Corp. v. Hudson Env't'l Servs., Inc.*, 152 F.3d 1368, 1373 (Fed. Cir. 1998).

Further, the Federal Circuit has taken special note of the use by courts of a specific type of extrinsic evidence: dictionaries. In its *Vitronics* opinion, the court explained that although technical treatises and dictionaries are extrinsic evidence, judges are free to consult these resources at any time in order to get a better understanding of the underlying technologies. 90 F.3d at 1584 n.6. The *Vitronics* court stated that judges may rely on dictionaries when construing claim terms as long as the dictionary definition does not contradict the definition found in, or ascertained by, a reading of the patent. *Id.* The Federal Circuit affirmed this approach in *Phillips*. 415 F.3d at 1322-23.

Several claim terms disputed by the parties are written in means-plus-function format pursuant to 35 U.S.C. § 112, ¶ 6. Claim elements of the '270 patent that are written in a means-plus-function format under 35 U.S.C. § 112, ¶ 6, require special rules of construction. When a patentee uses such an element, he or she is subject to the following statutory provision:

[a]n element in a claim for a combination may be expressed as a means . . . for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specifications and equivalents thereof.

35 U.S.C. § 112, ¶ 6. *See also Mas-Hamilton Group v. LaGard, Inc.*, 156 F.3d 1206, 1211 (Fed. Cir. 1998).

For an element in a means-plus-function format, the “means” term “is essentially a generic reference for the corresponding structure disclosed in the specification.” *Chiuminatta Concrete Concepts v. Cardinal Indus.*, 145 F.3d 1303, 1308 (Fed. Cir. 1998). *See also Mas-Hamilton Group*, 156 F.3d at 1211 (quoting *Chiuminatta Concrete Concepts*, 145 F.3d at 1308). By using this format, a patentee is allowed to claim a function without expressing all of the possible means of accomplishing that function. *See O.I. Corp. v. Tekmar Co.*, 115 F.3d 1576, 1583 (Fed. Cir. 1997). “The price that must be paid for use of that convenience is limitation of the claim to the means [or acts] specified in the written description and equivalents thereof.” *Id.*

Thus, a claim expressed in means-plus-function language constitutes an exception to the rule that prohibits reading limitations from the specification into the claims. *See Valmont Indus., Inc. v. Reinke Mfg. Co.*, 983 F.2d 1039, 1042 (Fed. Cir. 1993). When dealing with a means-plus-function claim, specific alternative structures to accomplish the function mentioned in the specifications, and equivalents thereto, delineate the scope of the patent claim. *See Mas-Hamilton Group*, 156 F.3d at 1211; *Serrano v. Telular Corp.*, 111 F.3d 1578, 1583 (Fed. Cir. 1997). The alternative structures must be specifically identified, not just mentioned as possibilities, in order to be included in the patent claim’s scope. *See Fonar Corp. v. Gen. Elec. Co.*, 107 F.3d 1543, 1551 (Fed. Cir.), *cert. denied*, 522 U.S. 908 (1997).

III. DISCUSSION

A. “ACTUAL COST” & “EXACT CHARGES ACTUALLY BILLED”

The first disputed claim terms are “actual cost” and “exact charges actually billed.” Centillion contends that actual cost means “the real, not estimated, cost of a service.” In addition, Centillion argues that actual cost is not a limitation because it appears in the preamble and does not give life, meaning or vitality to the claim. Moreover, Centillion states that exact charges actually billed means “the rated transaction cost assigned to each individual transaction record.”

In contrast, Defendants argue that actual cost means “the cost of the service as billed to the customer, reflecting all charges, discounts, fees, payments, adjustments, taxes and any other items affecting the final bill as shown in the corresponding paper bill.” In other words, actual cost deals with the entire service provided to the customer. But, Defendants contend, exact charges actually billed means “the charge owed by and billed to the service customer for each transaction, including taxes, discounts, or adjustments for each transaction.”

The Court agrees with Centillion that the term “actual cost” is not a limitation. To resolve whether or not language in the preamble of a claim is a limitation, the Court must review the entire patent to ascertain what the inventors intended to encompass by the claim. *Catalina Marketing Int’l, Inc. v. Coolsavings.com, Inc.*, 289 F.3d 801, 808 (Fed. Cir. 2002). “[A] preamble limits the invention if it recites essential structure or steps, or if it is ‘necessary to give life, meaning, and vitality’ to the claim.” *Id.* (quoting *Pitney Bowes Inc. v. Hewlett-Packard Co.*, 182 F.3d 1298, 1305 (Fed. Cir. 1999)). The Federal Circuit has found that a preamble limits a claim in the following instances: when the claim is in the format required by 37 C.F.R. § 1.75; when the claim, or future claims, depend on the preamble for antecedent basis; when the preamble is necessary for

understanding something in the body of the claim; when the preamble recites additional structure or steps underscored as important by the specification; and when there is clear reliance on the preamble during prosecution to distinguish the invention over prior art. *Catalina Marketing*, 289 F.3d at 808. However, “a preamble is not limiting ‘where a patentee defines a structurally complete invention in the claim body and uses the preamble only to state a purpose or intended use for the invention.’” *Id.* (quoting *Rowe v. Dror*, 112 F.3d 473, 478 (Fed. Cir. 1997)). Here, the term actual cost appears in the following three phrases: “A system for presenting information concerning the actual cost of a service provided to a user by a service provider, . . .,” ‘270 Patent, col. 31, ll. 39-41; “A system for presenting, under control of a user, usage and actual cost information relating to telecommunications service provided to said user by a telecommunications service provider, . . .,” *id.* col. 32, ll. 30-33; “A method for presenting information on a personal computer data processing means concerning the actual cost of a service provided to a user by a service provider, . . .” *Id.* col. 36, ll. 8-11. In all of these phrases the term actual cost describes the intended use for the system or method defined by the claim elements. Furthermore, there is no dependence on this language for any of the claim elements; the elements comprise a stand-alone system or method. As such, “actual cost” is not a claim limitation.

The term “exact charges actually billed” is included as a claim element. With respect to this term, again, the Court largely agrees with Centillion and concludes that this phrase means “the rated cost assigned to each individual transaction record.” The major difference between Centillion’s construction and Defendants’ construction is the addition of the “including all taxes, discounts, or adjustments for each transaction” language in Defendants’ construction. This later language is unnecessary and goes beyond the plain meaning of the language of the claim.

The '270 patent explains the significance of having a system that can store and manipulate the actual, rather than estimated, charges for a service transaction. This is one of the major advantages of the '270 patented invention over prior art. As explained in the '270 patent specification, prior art systems for analyzing service transaction information relied on either non-automated methods, *see* '270 Patent, col. 2, ll. 20-28; machine-readable methods that used "unrated call information (i.e. the records do not include the cost of the call) or lack certain rating details without which it is impossible to exactly reconcile information . . . with the paper bill[.]" *see id.* col. 2, ll. 32-35; or a customer-applied apparatus to track outgoing transactions that used a rating algorithm that "arrive[d] at an approximate cost for each transaction." *Id.* col. 2, l. 47. In contrast, the '270 patented system "provides results which exactly correspond with the information printed on the customer's paper bill." *Id.* col. 2, ll. 63-64. In other word, the service provider's rate is not estimated, it has already been applied.

That this "exact" information is the "rated" information is further described later in the specification:

In the specific case of telephone billing, the bulk of the billing information used or supplied by a telecommunications carrier to the third-party processor for the purpose of preparing customer bills would consist of telephone-call-detail records including a carrier-assigned customer identification code, the originating station number, the called station number, a billing code classifying the type of call (e.g., night, evening or day), the length of the call, and the actual billed cost of the call according to the carrier's tariffs, volume discounts, and other billing plans. The carrier provides additional billing records to account for equipment rental charges, monthly service fees, payments, adjustments, taxes, and any other items affecting the amount billed to the customer.

Id. col. 4, ll. 3-17. The term "rate" merely applies the "carrier's tariffs, volume discounts, and other billing plans" to the specific individual transaction. This passage also confirms that Defendants'

proffered construction would include too much because taxes and other non-transaction-related costs are not included in the “actual billed cost of the [service],” rather, those expenses are “additional billing records.”

Furthermore, in the claims of the ‘270 patent, the term exact charges actually billed is used with reference to each service transaction, or a telecommunications usage record. *Id.* col. 31, ll. 46-47; *id.* col. 32, ll. 34-39; col. 36, ll. 12-18. Such a link supports the conclusion that exact charges actually billed refers to the rated cost of a particular service transaction.

For these reasons, the Court concludes that “actual cost” is not a claim limitation. Further, the term “exact charges actually billed” means “the rated cost assigned to each individual transaction record.”

B. “STORAGE MEANS FOR STORING”

Centillion asserts that the term storage means is not written in means-plus-function format and need not be construed under 35 U.S.C. § 112, ¶ 6, because the term recites sufficient structure by itself. Centillion claims that one of ordinary skill in the art would consider the term to have the meaning found for “storage” in the Federal Standard 1037, Telecommunications Glossary from the Office of Technology and Standards (“Federal Standard 1037”): “A device consisting of electronic, electrostatic, electrical, hardware or other elements into which data may be entered, and from which data may be obtained, as desired.” Therefore, Centillion contends, storage means should be given its ordinary meaning in the context of the ‘270 patented invention: “any electronic or optical storage medium compatible with the data processing means.” Centillion also argues that if the Court were to agree with Defendants’ contention that the term storage means should be construed as a means-

plus-function term, then the structure that corresponds to the function of “storing” is “magnetic tape or other magnetic media, and equivalents thereof.”

As the Court just alluded to, Defendants contend that storage means should be construed pursuant to § 112, ¶ 6. Defendants argue that the references cited by Centillion in support of its argument that the term itself cites sufficient structure were not available in 1989, when the original application was filed, or in 1994 when the ‘270 patent issued. Moreover, Defendants cite a litany of cases that construe similar terms under § 112, ¶ 6, because the term “storage” does not convey sufficient structure alone. Therefore, Defendants assert that the function of the term storage means is “storing individual transaction records prepared by said service provider,” and that the corresponding structure is “service provider accounting database, magnetic tape or disk.”

Under the circumstances presented in this case, the Court agrees with Centillion to the extent that the term storage means for storing should be given its ordinary meaning to one skilled in the art at the time of the invention. The Court cannot agree with Centillion’s definition as proffered, however, because the definition includes the disputed term storage, which is not helpful. As a result, the Court construes the term storage means for storing to mean “a device capable of receiving, retaining and supplying data.”

The plain meaning of a storage means is a device that can store data. In *Gemstar-TV Guide v. International Trade Commission*, 383 F.3d 1352 (Fed. Cir. 2004), the Federal Circuit construed the term “storage means in a data processor” in a patent that taught the control of a television set by an electronic system, which received television program schedule information for electronic manipulation and display. *Id.* at 1358, 1370. The *Gemstar-TV Guide* court explicitly found erroneous the International Trade Commission’s (“ITC’s”) holding that storage means did not have

a clear meaning to one of ordinary skill in the art at the time of the invention. *Id.* at 1371.

Specifically, the Federal Circuit stated:

The ITC initially held that “storage means” did not have a clear meaning to one of ordinary skill in the art. Our consideration of technical dictionaries reveals otherwise. *See Inverness Med. Switz. GmbH v. Warner Lambert Co.*, 309 F.3d 1373, 1378 (Fed. Cir. 2002) (noting that technical dictionaries are useful in “providing specialized meanings as used in particular fields of art”).

* * *

... [D]ictionaries ... defined “storage” as “[a] device capable of receiving data, retaining them for an indefinite period of time, and supplying them upon command,” [Charles J. Sippl,] *Computer Dictionary* at 473 [(4th ed. 1986)], and “a device, or part of a device, that can retain data,” [Jerry M. Rosenberg,] *Dictionary of Computers[, Data Processing, and Telecommunications]* at 504 [(1984)].

Id. at 1371-72 (citation to ITC opinion omitted).

Although there is no debate in the *Gemstar-TV Guide* case about whether the term “storage means” is a means-plus-function term, its holding is instructive about whether or not there was a plain meaning for that term in the mid-1980s, which there was. In addition, the ordinary meaning of the term storage has not changed significantly from that time period. This is evidenced by Centillion’s 2007 on-line version of the Federal Standard 1037 definition for storage: “A device consisting of electronic, electrostatic, electrical, hardware or other elements into which data may be entered, and from which data may be obtained, as desired.”

That this ordinary meaning gives sufficient structure to the term storage means is consistent with the usage of the term in the claims of the ‘270 patent. The term storage means in the claims of the ‘270 patent clearly refers to a device that can hold data. *See, e.g.*, ‘270 Patent, col. 31, ll. 42-43 (“storage means for storing individual transaction records . . .”); *id.* col. 31, ll. 53-55 (“means for transferring at least a part of said individual transaction records from said storage means to said data

processing means”); *id.* col. 31, ll. 57-59 (“said individual transaction records transferred from said storage means . . .”); *see also, e.g., id.* col. 32, ll. 34-35 (“telecommunications service provider storage means for storing records . . .”); *id.* col. 32, ll. 45-46 (“means for transferring at least a part of the records from said service provider storage means . . .”); *id.* col. 36, ll. 12-13 (“storing individual transaction records prepared by said service provider on a storage means . . .”). Similarly, the ‘270 patent specification teaches that

The billing information may be received from one or more telecommunications carriers via magnetic tape, disk, or data communications lines (referred to hereafter for simplicity as “billing tape” or simply “tape”). The information is received in formats roughly corresponding to the logical record layouts according to which that information is stored in each carrier’s data processing facilities.

Id. col. 7, ll. 15-19. The ‘270 patent also teaches: “Two additional activities are performed during the mainframe processing segment to prepare the data for transfer to a ‘PC Processing’ network.”

Id. col. 8, ll. 34-36. In other words, the storage means is a device that can receive, hold and transfer the requisite data obtained from the service provider. More specifically, with respect to the telecommunications service carrier, the ‘270 patent specifies:

FIGS. 2-1 and 2-2 illustrates [sic] a batch program in which billing information from one or more telecommunications carriers **10** is received via magnetic media or telephone communications channels in formats roughly corresponding to the logical record layouts according to which the information is presently stored in each carrier’s data processing facilities. Appropriate data is selected from the carrier’s accounting databases and written to tape **46** in an unstructured, flat-file format. The invention contemplates that the records for any given communications customer will most likely appear in several files in a non-serial fashion and consequently will be widely distributed along the length of the tape. Accordingly, a program TPSB010 is responsible for retrieving the information from the tape and performing an extensive and complex mainframe processing procedure in order to reduce the information to a form which is sufficiently compact and compatible to be subsequently manipulated on a personal computer.

Id. col. 10, l. 66, to col. 11, l. 16. From these passages it is clear that the storage means is something that holds data, but it also allows the data to be written to it and also allows the data to be transferred therefrom to another device.

Based on the manner in which the term is used in the claims and the descriptive passages in the specification of the '270 patent, the Court concludes that the term storage means need not be construed in accordance with § 112, ¶ 6, because its structure was sufficiently known to one of ordinary skill in the art at the time of the invention. As such, the Court concludes that "storage means" in the context of the '270 patent has its ordinary meaning of "a device capable of receiving, retaining, and supplying data."

C. DATA PROCESSING MEANS & RELATED LIMITATIONS

1. Data Processing Means

Centillion asserts that the term "data processing means" is not a limitation subject to interpretation under § 112, ¶ 6, because there is "no function that corresponds to the means involved." *Rodime PLC v. Seagate Tech., Inc.*, 174 F.3d 1294, 1302 (Fed. Cir. 1999). Moreover, the plain meaning of the term, as evidenced by the claims and the specification, is "a computer and/or computer network able to process data under software control." In other words, the data processing means contains hardware and software capable of manipulating data.

Defendants contend that "data processing means" should be interpreted according to § 112, ¶ 6, because there is nothing to rebut the presumption that the term is in "means-plus-function" format. As such, Defendants argue that the functions of the data processing means are defined in the second element that contains the disputed term and are "generating preprocessed summary

reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means.” ‘270 Patent, col. 31, ll. 56-61. Defendants assert that the structure that corresponds to these functions are:

- (1) computation hardware means: a mainframe class computer with 9-track tape system, in combination with a network of personal computers with 9-track tape system; and
- (2) software programming means: mainframe software programs TPSB010 and TPSB020, in combination with PC software programs SBPROC01 and SBROC02.

Joint Cl. Constr. Chart, at 1-2.

The Court concludes that the term data processing means in the ‘270 patent must be construed in accordance with § 112, ¶ 6. The first element in which the term data processing means appears does not include a function. Instead, that element sets forth the following: “data processing means comprising respective computation hardware means and respective programming means for directing the activities of said computation hardware means” Centillion argues that this fact conclusively demonstrates that the data processing means should not be construed in accordance with § 112, ¶ 6. In other words, this element describes the structure of the data processing means with sufficient specificity to rebut the presumption raised by the language “means . . . for.” But, this conclusion ignores the use of the term in other elements of claim 1, which is improper. *See Phonometrics, Inc. v. N. Telecom, Inc.*, 133 F.3d 1459, 1465 (Fed. Cir. 1998) (discussing the importance of looking at all the uses of a term in a claim to inform the proper construction for that term and stating that “[a] word or phrase used consistently throughout a claim should be interpreted consistently); *see also CAE Screenplates Inc. v. Heinrich Fiedler GmbH & Co. KG*, 224 F.3d 1308,

1317 (Fed. Cir. 2000) (discussing the principle to construe claim terms consistently throughout a patent unless the patent provides differently).

The Federal Circuit's analysis in *Northern Telecom* is instructive. In that case, the patent was directed to a computer device to track the length and associated cost of a telephone call at a particular extension. *Id.* at 1462. The only independent claim contained the dispositive term, which was "call cost register means." *Id.* at 1464. The claim element in which the term first appeared read: "call cost register means, including a digital display, for providing a substantially instantaneous display of cumulative call cost in dollars and cents" *Id.* at 1462 (citation to patent omitted). Although the Federal Circuit easily determined that a function of the call cost register means was "to display current, accurate information about the cost of a call[.]" it was not clear whether the limitation had another function. *Id.* at 1464-65. The Federal Circuit stated: "Fortunately, we need not rely solely on the words used in this means clause to determine the requirements of this limitation for there are other clauses in claim 1 that inform our construction of the call cost register means and further define the functions attributed to it by the patentee." *Id.* at 1465.

The *Northern Telecom* court then looked at two other clauses and concluded that the "substantially instantaneously" limitation required that "the display in the register is current throughout the duration of the call; the call cost register does not merely display the cost after the call has ended." *Id.* Next, the *Northern Telecom* court looked at the final clause that contained the call cost register means term and concluded that:

[w]hen the claim itself is considered in its entirety, it becomes clear that the call cost register means has two separate and equally important functions: (1) it provides the caller with real time, accurate information about the cost of the call via digital display as the long distance charges accrue *during* the call; and (2) it reflects the total cost of the call via the same digital display *after* the call has been terminated. [The

patentee] argues that only the second function is claimed, or that only the second function is important for determining infringement. We disagree. Both functions are claimed explicitly in the [] patent, and both are significant for construction.

Id. at 1465-66.

In the case at bar, a second claim element using the “data processing means” term reads: “said data processing means generating preprocessed summary reports as specified by the user from said individual transaction records transferred from said storage means and organizing said summary reports into a format for storage, manipulation and display on a personal computer data processing means” ‘270 Patent, col. 31, ll. 56-62. Although this element lacks the preposition “for,” this description requires that the data processing means (1) generate preprocessed summary reports and (2) organize said summary reports into a format for storage, manipulation and display on a personal computer data processing means. The Court concludes that these functions are associated with the data processing means, which raises a presumption that § 112, ¶ 6, applies.

The use of the term “data processing means” in claims 5 and 7 also supports this conclusion.

Claims 5 and 7 read:

5. A system as in claim 1 wherein:

said data processing means comprises a first and a second data processor, said first data processor being adapted to perform said selection of said records and said second data processor being adapted to perform said preprocessing of said selected records.

* * *

7. A system as in claim 1 wherein said data processing means comprises a single data processor adapted to perform said selection and said preprocessing operations.

‘270 Patent, col. 32, ll. 16-29. These limitations further specify the structure of the data processing means for performing the functions of generating and organizing.

Having concluded that the presumption that the data processing means be construed according to § 112, ¶ 6, applies, the Court must consider whether or not the structure identified in the first element is sufficient to rebut this presumption. The Court concludes that it is not. The structure identified in the first element that contains the data processing means term merely identifies a computer with corresponding operating system software. In other words, a general purpose computer. Claim 1, however, requires that the data processing means perform specific functions, which, according to the specification, require a computer to be programed to carry out certain steps, or to perform a certain algorithm. *See, e.g.*, ‘270 Patent, col. 4, ll. 32-44. “The structure of a [computer] programmed to carry out an algorithm is limited by the disclosed algorithm.” *WMS Gaming, Inc. v. Int’l Gaming Tech.*, 184 F.3d 1339, 1348 (Fed. Cir. 1999). The Court concludes that there is not sufficient structure for the data processing means disclosed in claim 1 to rebut the presumption that § 112, ¶ 6, applies to the claim term.

The Court turns now to identifying the structure for the data processing means described in the ‘270 patent specification. *See id.* Defendants contend that the structure for the computation hardware means is “a mainframe class computer with 9-track tape system, in combination with a network of personal computers with 9-track tape system;” and that the structure for the software programming means is “mainframe software programs TPSB010 and TPSB020, in combination with PC software programs SBPROC01 and SBPROC02.” Joint Cl. Constr. Chart, at 1-2.

In contrast, Centillion contends that the structure for the data processing means is a computer programmed to perform two algorithms. More specifically, the algorithm that performs the “generating” function is: “1. Retrieving [individual transaction records (“ITRs”)] for a specific user; 2. Processing each ITR to determine which summary report (if any) the ITR should be allocated;

and, 3. Accumulating the ITRs with each appropriate summary report.” Defs.’ Reply Br. at 11 (citing Grimes Decl. ¶ 71). Centillion asserts that the algorithm that performs the “organizing” function is: “1. Retrieving each summary report; and 2. Converting the summary report into a PC-compatible format.” *Id.* (citing Grimes Decl. ¶ 71).

The Court concludes that the structure for the data processing means disclosed in the specification of the ‘270 patent is a computer that is programmed to segregate data by customer and record type, to edit and accumulate the data to produce reports, to create database tables and additional records for storage, and to convert the data into a PC-compatible data stream. First, the Court is convinced that the entirety of the data processing necessary to accomplish the functions of generating preprocessed summary reports and organizing said summary reports for further personal computing processing occurs in the first stage of the method described generally in column 4 of the ‘270 patent. The “Summary of the Invention” portion of the patent specification states:

The first stage reformats data received from the carrier, segregates the records pertaining to each subscriber, analyzes billing data for each subscriber to generate a variety of preprocessed summary reports and graphs, and organizes the data into a table format suitable for loading into the particular database system used to manage this data on the subscriber’s personal computer. . . .

The second stage of processing receives the information processed by the first stage, compresses this information into a more space-efficient format, for each subscriber writes this information on a diskette compatible with that subscriber’s personal computer, and generates quality-control information

‘270 Patent, col. 4, ll. 32-39. Figure 1 reflects the same conclusion because the first step of the system includes generating reports at 16 and formatting of the processed billing records at 18. *Id.* Fig. 1. Likewise, Figures 2-1, 2-2 and 8, which each reflect more detailed descriptions of the first processing step include the sorting of data by customer; the editing, accumulation, and reformatting

of data to create reports; the recording of the data in a PC format; and the creation of a PC-compatible data stream. *Id.* Figs. 2-1, 2-2, 8.

The Overall System Summary section of the Detailed Description of the Preferred Embodiment further supports the Court's conclusion. That section describes a mainframe computer that sorts the data "by customer identification code and originating station number to group all records for a particular customer together." *Id.* col. 7, ll. 12-31. The same computer then utilizes an editing and table accumulation program to "generate[] a corresponding output record in the generic format. In addition, this program accumulates data to produce for each customer a variety of precalculated summary reports and graphs which are included on the diskette bill and are thus available for display on the user's personal computer" *Id.* col. 7, ll. 47-53. The patent then lists the specific types of tables that are generated at this step. *Id.* col. 7, l. 56 to col. 8, l. 6. The '270 patent teaches that the editing and table accumulation program generates new information records, and that such records are assigned record-type identifiers that specify "the particular database table to which the record belongs." *Id.* col. 8, ll. 20-33. Based on these passages, the editing and table accumulation program is clearly associated with the generating function of the data processing means.

Before the data is transferred to the second processing stage, and "[a]fter the editing and table accumulation program has completed, a second sorting step sorts the output file by customer identification code and record-type identifier to place the records in an optimal order for creating diskette bills and for loading the information on the diskette into the database on the user's personal computer." *Id.* col. 8, ll. 36-42. This sorting step in the first processing stage is clearly associated with the organizing function of the data processing means. The patent teaches: "At this point, a files

exists on the 'mainframe' computer in which, for each customer . . . all records are grouped consecutively, and among the records for a particular customer, all records of a specific type are grouped consecutively." *Id.* col. 8, ll. 43-47.

Similarly, in the Detailed System Description the '270 patent associates the generating and organizing functions with the first stage of processing. With respect to Figure 1, the specification states that a processor receives customer records from a service provider,

segregates the billing data by subscriber, performs a mainframe computer processing step 14 to produce a variety of in-depth billing analyses in the form of graphs and summary reports 16, and reorganizes both raw and analyzed billing data into an optimal format 18 for storage, manipulation, and display on commonly available personal computers

Id. col. 10, ll. 1-27. Furthermore, the '270 patent states that "a program TPSB010 is responsible for retrieving the information from the tape and performing an extensive and complex mainframe processing procedure in order to reduce the information to a form which is sufficiently compact and compatible to be subsequently manipulated [sic] on a personal computer." *Id.* col. 11, ll. 11-16. Figures 2-1 and 2-2 purportedly show that the TBSB010 program "edits and reformats the data into a format that the target PC 25 can process." *Id.* col. 11, ll. 25-27. In addition to reformatting the original billing records, program TBSB010 accumulates summary reports and graphs for each customer and incorporates this data as additional records in file 60." *Id.* col. 11, ll. 38-42. Then, the program sorts the data by customer number and type to group the records for each customer together. *Id.* col. 11, ll. 42-48. A second program, TPSB020, "convert[s] the data into a PC-compatible data stream, which is then stored on a 9-track tape medium in step 74." *Id.* col. 11, ll. 49-55.

Defendants contend that the structure is incomplete without reference to the specific programs disclosed in the '270 patent. However, the '270 patent specification describes a generic

invention that does not reference specific programs and a detailed invention that includes the specific programs. The Court concludes that the generic references are enough for one of ordinary skill in the art at the time of the invention to deduce the appropriate algorithm for performing the generating and organizing functions without reference to the more specific programs. As described above, the Overall System Summary describes that the bulk of the generating function is performed by sorting the service provider's data by customer and originating station number, then editing and accumulating the data to produce summary reports and graphs. *Id.* col. 7, l. 12 to col. 8, l. 7. Then, the bulk of the organizing function is performed by assigning a record-type identifier, and sorting the data by customer identification code and record-type identifier. *Id.* col. 8, ll.

The Court disagrees with Defendants that the functions performed by the second stage or PC processing stage of the '270 patented invention performs the generating and organizing functions of the data processing means. The Court concludes that the second stage merely writes the information generated in the first step to one or more diskettes. *Id.* col. 10, ll. 27-31. According to the Overall System Summary portion of the specification, a "'PC Processing' network" produces diskette bills from the data generated by the first stage using a data compression algorithm. *Id.* col. 9, ll. 17-62. The Court concludes that this step is not clearly identified in the '270 patent with either the generating or organizing functions of the data processing means. There is no mention in the second stage of generating any summary reports. Rather, what is generated is diskettes. Moreover, there is no reference in the second stage to organizing the summary reports, rather the second stage condenses the information and writes it to customer-compatible diskettes. This conclusion is supported by the specification which reads:

Extensive preprocessing of these billing records is performed to place the records in a form compatible for use with inexpensive personal computers, and to provide flexible, efficient access to the original records and to a variety of summary reports and graphs accumulated therefrom. In a first processing step, preferably performed on a large computer, the records are sorted, edited and reformatted into an optimal organization for further processing on a personal computer. In addition, a variety of preprocessed summary reports and graphs are prepared for retrieval on the customer's computer. . . . In a second step, preferably performed on a network of smaller computers, the reorganized records and summary reports for each customer are separated, compressed, and recorded on diskettes compatible with each customer's personal computer.

Id. col. 30, l. 51 to col. 31, l. 4. According to the '270 patent specification, then, the only stage associated with the generating and organizing functions is the first processing step.

Furthermore, although it is tempting to limit the computer to a mainframe computer as suggested by Defendants, the patent specification clearly indicates that the mainframe structure is a preferred embodiment, not a necessary one to perform the data processing step of the method. '270 Patent, col. 4, l. 42 (stating that "[i]n practice, since it is expected that the processor will receive a large number of records from carriers and the analysis is performed on these records is extensive, this first stage of processing would be preferably performed on a mainframe-class computer . . ."). Similarly, the detailed description of the preferred embodiment contemplates that a mainframe-type computer would best perform the generating and organizing functions, but leaves room for the possibility that a different computer could perform these functions. The patent reads: "While these tables could be generated on the subscriber's personal computer by conventional methods using information present in call-detail records without the mainframe preprocessing contemplated by this invention, this would require a time-consuming front-to-back scan of the entire contents of the database." *Id.* col. 8, ll. 7-11. Likewise, the Conclusion of the specification evidences that the first